January 5, 2009

FINAL PIIESA REPORT
LIMITED PIIESA & ADDITIONAL SAMPLING
PROPOSED DREDGE AREAS – ALGIERS CANAL
JEFFERSON & PLAQUEMINES PARISHES, LA

Prepared for

US Army Corps of Engineers®

New Orleans District

Under Contract to
U.S. Army Corps of Engineers – New Orleans District
Environmental Services IAW
W912P8-08-D-0029 Task Order #0004 Mod

By:

SPA-MMG Joint Venture, LLC.

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TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIAL SAMPLES, OR MANUFACTURER'S CERTIFICATE OF COMPLIANCE *(Read instructions on the reverse side prior to initiating this form)*	DATE January 5, 2009	TRANSMITTAL NO. TO 004-014

SECTION 1 - REQUEST FOR APPROVAL OF THE FOLLOWING ITEMS *(This section will be initiated by the contractor)*

TO:	FROM:	CONTRACT NO.	CHECK ONE:
U.S. Army Corps of Engineers New Orleans District P.O. Box 60267 New Orleans, LA 70160	SPA-MMG Joint Venture, LLC. New Orleans, LA	W912P8-08-D-0029	(THIS IS A NEW TRANSMITTAL 9 THIS IS A RESUBMITTAL OF TRANSMITTAL _____
SPECIFICATION SECTION; (Cover only one section with each transmittal)	PROJECT TITLE AND LOCATION Task Order 004 – Modification - Limited PIIESA Algiers Canal Sediment, Jefferson/Plaquemines Parishes, Louisiana		

ITEM NO. a.	DESCRIPTION OF ITEM *(Type, size, model number, etc.)* b.	MFG. OR CONTR. CAT. CURVE DRAWING OR BROCHURE NO. *(See instruction no. 8)* c.	NO. OF COPIES d.	CONTRACT REFERENCE DOCUMENT: SPEC. PARA. NO. e.	CONTRACT REFERENCE DOCUMENT: DRAWING SHEET NO. f.	FOR CONTRACTOR USE CODE g.	VARIATION *(See instruction no. 6)* h.	FOR CE USE CODE i.
1	Task Order No. 4 Final PIIESA Report – all sampling activities		3 + 3 cds			3505-DD-ACE-NOL-004		

REMARKS

I certify that the above submitted items have been reviewed in detail and are correct and in strict conformance with the contract drawings and specifications except as otherwise stated.

C. Paul Lo/Charlotte Burnell, Project Manager

NAME AND SIGNATURE OF CONTRACTOR

SECTION II - APPROVAL ACTION

ENCLOSURES RETURNED (List by Item No.)	NAME, TITLE AND SIGNATURE OF APPROVING AUTHORITY	DATE
		January 5, 2009

Comments on:
SPA-MMG
Draft for
CTO Number: W912P8-08-D-0029
Task Order #0004 and Mod

Phase II Environmental Site Assessment
Proposed Dredge Areas
Jefferson and Plaquemines Parishes, LA

Reviewer: Haekyung Kim, John Templeton
Respondent: Karly Gibbs

1. Respondent concurs (C), Does not Concur (D), or takes Exception (E).
2. Commenter Agrees (A) with response, or Does not Agree (D) with response.

Comment #	Section : Item/Page	Paragraph/ Line	Comment	C, D, E[1]	Response	A or D[2]
1. Templeton	TOC/BODY/ATTACHMENTS	entire	Make sure that when data additions are added, separations and denotations are made especially in tables and figures, marking the initial task and its results and separately the modified task results	C	Tables and figures and text (where appropriate) adjusted to reflect initial task and modification.	
2. Templeton	Figure 2		Titles of TOC and actual Figure 2 need to match	C	Confirmed that Figure 2 title in TOC matches title on figure.	
3. Templeton	Figure 8		Figure Title incorrect, switch “18” to “19”	C	Error in title corrected.	
4. Kim	Pg 3	geography	Algiers is located on Plaquemines and Gretna. Algiers is located in Orleans parish??	C	Clarified geography section.	

Phase II Environmental Site Assessment Report

for

Algiers Canal Proposed Sediment Dredge Areas
Jefferson & Plaquemines Parishes, LA

Approval Page

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Executive Summary

Background

This report addresses the findings of the limited Phase II Environmental Site Assessment (PIIESA) conducted of a 5.5-mile stretch the Algiers Canal in Jefferson and Plaquemines Parishes, Louisiana. The report includes the findings from additional sampling conducted to confirm the presence of contamination identified during the original sampling effort. The area under investigation is proposed for dredging for navigational purposes; the area includes proposed locations for construction of navigation sector gates and associated bypass channels. The proposed plan includes potential deposition of the dredged sediment into the Mississippi River or creation of a marsh habitat. Therefore, to address the potential presence of contamination for protection of future construction workers in the area and to provide data for decisions about ultimate placement of the dredge material, as well as to establish baseline chemical data for the site, Strategic Planning Associates – Materials Management Group Joint Venture, LLC. (SPA-MMG) conducted a limited PIIESA of the site under USACE IQRC Contract W912P8-08-D-0029, Task Order 4 and modification to Task Order 4. The Phase II ESA was performed in accordance with all relevant regulations and guidance.

Findings

The analytical results from the limited Phase II ESA and subsequent sampling effort are summarized in Tables 1 and 2 respectively, and the analytical reports are included in Appendix B. Briefly, the results indicated that a few of the COCs were detected at the site; these were: TPH-D; TPH-O; benzo(b)fluoranthene; acetone and carbon disulfide; arsenic, barium, chromium, lead, and mercury; and cadmium. The metal concentrations (with the exception of barium at location 9) are in the range associated with background levels. TPH-G, PCBs, pesticides, herbicides, and the remaining VOCs, SVOCs, and metals (selenium and silver) were not detected in any sample.

In the initial investigation, the COCs TPH-D and barium were detected above the RECAP screening standards, TPH-D at five locations (4, 7, 8, 9, and 10) and barium at one location (9). In addition, the reporting limits for three SVOCs (aniline, dinoseb, and 1,3-dinitrobenzene) and one VOC (1,1,2,2-tetrachloroethane) exceeded the RECAP standards. TPH-D was subsequently eliminated from further consideration; the additional sampling effort indicated TPH-D concentrations were below the RECAP standards.

Recommendations

Justification for reuse of the material regarding the barium concentration is detailed in Sections 5.1 and 6.0. Based on the findings of both sampling efforts, the results indicate that the sediment has not been adversely impacted. SPA-MMG recommends that no further investigation or remediation is necessary prior to the dredging activities.

1.0 Introduction

Under Indefinite Quantity Requirements Contract (IQRC) W912P8-08-D-0029 Task Order 4 and modification to Task Order 4, the U.S. Army Corps of Engineers (USACE) New Orleans District (MVN) tasked Strategic Planning Associates – Materials Management Group Joint Venture, LLC. (SPA-MMG) to conduct a limited Phase II Environmental Site Assessment (ESA) of approximately 5.5 miles of the Algiers Canal in Jefferson and Plaquemines Parishes, Louisiana. The modification involved additional sampling around five locations (locations 4, 7, 8, 9, and 10) that initially exhibited concentrations exceeding the RECAP screening standards as previously reported in November 2008. The area under investigation is proposed for dredging for navigational purposes; the area includes proposed locations for construction of navigation sector gates and associated bypass channels. One gate will be constructed in the area at the GIWW and the other will be located at the Hero Canal. Based on historical and current industrial activity and the numerous pumping stations that drain into the Algiers, Harvey, and Hero Canals upstream of the dredging area, there was potential for the sediment to be contaminated. The USACE granted Notice to Proceed with the limited PIIESA on September 29, 2008, and Notice to Proceed with the additional sampling under the modification on November 26, 2008. This report follows the guidance outlined in the ASTM Standard E 1903-97. The report will be submitted to the USACE initially, however the USACE will ultimately determine the final distribution list.

1.1 Purpose

The purpose of the limited Phase II ESA was to evaluate the potential for contaminants in the area based on based on industrial activity and the presence of pumping stations in the area, and to collect preliminary baseline chemical data for the site. The scope of work included sediment sampling and analysis from ten locations in the 5.5-mile stretch.

The purpose of the additional sediment sampling conducted under the modification was to confirm whether diesel petroleum hydrocarbon contamination existed in five locations.

The purpose of this report is to summarize the field activities of the limited Phase II ESA and additional sampling effort, discuss the findings of both, and provide an assessment of the success of the overall investigation with regard to the project objectives.

1.2 Special Terms and Conditions

This report does not constitute legal advice, nor does SPA-MMG purport to give legal advice. Environmental conditions and regulations are subject to constant change and reinterpretation. It should not be assumed that current conditions and/or regulatory positions will remain constant. Furthermore, because the facts

stated in this report are subject to professional interpretation, other professionals might reach differing conclusions.

No warranty can be made that conditions were representative of areas not sampled (or investigated). Tests or data collected during this investigation were obtained only for the purposes or objectives stated in the work plan or in this report, and should not be used for reasons other than those intended.

Possession of this Phase II ESA report does not imply the rights of publication, and any parts thereof may not be reproduced in any form without written permission of its writer or that of the client (USACE) who ordered the report.

The client (USACE) and their designated users may rely on the information presented in this report. Should substantial time pass or a change in use of the property occur, the accuracy of this report may be compromised and additional site investigation may be required.

1.3 Limitations and Exceptions of Assessment

There were no limitations of or exceptions to either sampling effort; all activities were carried out as indicated in the original work plans and subsequent plan amendment.

1.4 Limiting Conditions and Methodology Used

Under the requirements of the Task Order and modification, the site assessment (s) were performed in accordance with work plans. Both sampling efforts were designed to compare the results with the Louisiana Department of Environmental Quality (LDEQ) Risk Evaluation/Corrective Action Program (RECAP) screening standards for data evaluation purposes.

The guidance and regulations followed over the course of this project included:

- American Society for Testing and Standards (ASTM) E 1903-97 “Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process;”
- LDEQ RECAP document (2003);
- USACE EM 200-1-3 “Requirements for the Preparation of Sampling and Analysis Plans.”

This limited Phase II ESA (including additional sampling) was conducted to address concerns with the potential for contamination based on industrial activity and associated runoff in the vicinity of the canal.

Initially, since specific contaminants were not identified and the concern was related to general industrial activity and pumping stations, groups of COCs were analyzed during the first sampling event to meet the project objectives (to cover all potential contaminants); these were petroleum hydrocarbons (gasoline, diesel,

and oil ranges), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, herbicides, and RCRA metals. Under the modification, diesel was the only contaminant determined to be present above the acceptable risk level; therefore the COCs were TPH-D and oil & grease (for evaluation for potential discharge of the dredge material).

2.0 Background

For the purposes of this Phase II ESA report, general background information has been abbreviated and summarized (detailed background information has been presented to the USACE in previous reports for the area).

2.1 Site Description and Features

The area under investigation is part of the Algiers Canal. The north side of the canal primarily consists of industrial and commercial facilities; the south side is primarily undeveloped land. See Figure 1 for a site location map.

2.2 Physical Setting

Based on review of the most current USGS Topographic Map, the physical setting of the site is indicated below.

Geography
The site is located within the Algiers Canal between the Harvey Canal and the Algiers Lock in southeastern Algiers, LA. Algiers (part of the City of New Orleans) is located on the western bank of the Mississippi River between Plaquemines Parish LA and Gretna LA. The limits of Algiers as part of the City of New Orleans are located in Orleans Parish, LA, however the area under investigation (the section of the Algiers Canal that was sampled) is located in Plaquemines and Jefferson Parishes. The Algiers Canal between the Harvey Canal and the Algiers Lock is bordered to the south by Plaquemines Parish and Orleans Parish, and to the north it is bordered by Jefferson Parish and Orleans Parish.

Physical Setting
The Soil Survey of Orleans Parish, LA provided by the U.S. Department of Agriculture Soil Conservation Service (1989), and the Soil Survey of Jefferson Parish, LA provided by the U.S. Department of Agriculture Soil Conservation Service (1983) describes these soils as:

(20) Westwego Clay
These deposits typically consist of surface layer (0” to 3”) of very dark gray, clay, a subsoil layer (3” to 21”) of dark gray, mottled firm clay, a subsoil layer (21” to 36”) of black muck, a substratum layer (36” to 68”) of dark gray, mottled semifluid clay. Underlying rock formations include Quaternary and Tertiary sedimentary deposits.

2.3 Site History and Land Use

The subject area is a canal and has been used for navigation purposes.

3.0 Phase II Activities

SPA-MMG conducted the limited Phase II ESA on October 14-15, 2008. The additional sediment sampling was conducted on December 15, 2008. The scope of work and field and analytical methods for both sampling efforts are described in the following sections.

3.1 Scope of Assessment

Initial Task

The scope of work under the initial part of the limited Phase II ESA included sediment sampling from ten sample locations (1-10) within the canal for analysis for the contaminants of concern (COCs), including Total Petroleum Hydrocarbons – gasoline, diesel, and oil ranges (TPH-G, TPH-D, and TPH-O), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, herbicides, and RCRA metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver).

Modification

Upon receipt and review of the initial PIIESA results, additional sampling was determined to be necessary and was conducted under modification to Task Order 4. The scope of work under the modification involved collection of ten additional sediment samples (11-20), with two samples collected adjacent to each of five locations with elevated TPH-D concentrations. The ten new samples were analyzed for TPH-D and oil & grease only.

3.1.1 Supplemental Record Review

Part of the scope development for the Phase II ESA involved some records review, including information provided in the USACE scope of work.

3.1.2 Sampling and Chemical Testing Plan

Prior to conducting the limited Phase II ESA site activities, SPA-MMG prepared two work plans, one incorporating the components of a Field Sampling Plan (FSP) and Quality Assurance Project Plan (QAPP), and one Health & Safety Plan. These plans documented the tasks to be completed and the health and safety issues and their mitigation. The SAP described the investigation methodologies, including drilling, sampling, and analysis methods, and the quality objectives of the site assessment, including quality of data and quality assurance for sampling protocols. SPA-MMG developed an amendment to the FSP component of the SAP prior to conducting the additional sampling under the modification.

The rationale for the two sampling activities is as follows.

Initial Task
The purpose of the limited Phase II ESA was to evaluate the potential for contamination at the site based on industrial activity in the area and to collect preliminary baseline chemical data; both of these objectives address the potential for personnel exposure at the site during dredging as well as determining the options for management of the dredge material (such as depositing in the Mississippi River). The USACE Task Order specified the number of samples; the sample locations were chosen during work plan development for USACE approval. The rationale for the sample locations was to sample from areas representing the entire 5.5-mile stretch as well as areas potentially impacted by industrial activity and pumping stations; see Figure 2 for the actual locations. Therefore, ten samples were collected from the surface of the sediment (0-1 foot into the sediment) in the subject area. Since the concern for contamination was based on industrial activity and pumping stations in the area, the contaminants of concern included TPH-G, TPH-D, TPH-O, VOCs, SVOCs, PCBs, pesticides, herbicides, and RCRA metals.

Modification
The purpose of the additional sampling under the modification to Task Order 4 was to confirm whether TPH-D contamination was actually present in the sediment. The USACE again specified the number of samples and the sample locations were chosen during preparation of the plan amendment. The rationale for the sample locations was to collect two samples on either side of the previous location and represent the width of the canal. The actual sample locations are indicated on Figures 3-8. Therefore, ten samples were collected from 0-3 feet (to meet RECAP intervals) around five previous locations with elevated TPH-D. The COCs were TPH-D and oil & grease.

3.1.3 Deviations from the Work Plan

There were no deviations from the SAP (or FSP Amendment) or H&S Plan; all activities were conducted as indicated in the plans.

3.2 Field Explorations and Methods

Photo documentation of all site activities (both sampling efforts) is included in Appendix D. Copies of all field logs and paperwork are included in Appendix C. The final safety report is included in Appendix E.

SPA-MMG conducted sediment sampling from 20 locations in the canal (ten during the first sampling effort and ten during the sampling activities under the modification). The sampling efforts were conducted on October 14-15, 2008 and December 15, 2008. SPA-MMG initially used the direct push technology of a Wilco sediment sampler and extension handle to advance the 0-1 foot borings and collect samples. During the subsequent sampling, SPA-MMG used the direct push technology of an Environmental Sampling Probe (ESP) mounted on a pontoon to obtain the deeper sample interval.

The original ten sample locations (indicated on Figure 2) were chosen based on areas representative of the canal section under investigation and areas representative of potential contamination from industrial activity and pumping station discharge. The locations for the second set of ten samples were chosen to represent areas around the previous locations with elevated TPH-D. Lithology is described in Section 4.1. During the first sampling effort, one interval (0-1 ft into the surface of the sediment) was collected from each of the ten borings for analysis; during the second sampling effort, again one interval (this time 0-3 ft) was collected from each boring was collected for analysis.

Split samples were collected at sample locations 3 and 15. Matrix spike/matrix spike duplicate (MS/MSD) analysis was requested on the samples from locations 10 and 13. Rinsate blanks were collected following collection of the samples from locations 7 and 18. A field blank was collected while sampling was conducted during the first sampling effort. A trip blank was included in the cooler containing the volatile samples (first sampling effort). All original ten samples were analyzed for TPH-G, TPH-D, TPH-O, VOCs, SVOCs, PCBs, pesticides, herbicides, and RCRA metals. The ten samples collected during the subsequent sampling event were analyzed only for TPH-D and oil & grease. All samples were packaged in a cooler (according to SPA-MMG's standard operating procedures). The first set of samples was taken to Pace Analytical Laboratories (Pace) in St. Rose, Louisiana. The second set of samples was sent to Southern Petroleum Laboratories (SPL) in Scott, Louisiana (this lab was used to meet expedited turn around time requirements). The analytical results are presented in Tables 1 and 2, and are discussed briefly in Section 4.0. The final analytical reports are included in Appendix B.

3.3 Sampling and Chemical Analyses and Methods

The SAP and FSP Amendment address the laboratory procedures and analyses that were performed in more detail. This section lists the specific EPA SW-846 (or other) analytical methods used over the course of the limited Phase II ESA.

The analytical methods used for analysis of the sediment samples were:

- TPH-G – 5035, 8015
- TPH-D and TPH-O – 8015
- VOCs – 5035, 8260
- SVOCs – 8270
- PCBs – 8082
- Pesticides – 8081
- Herbicides – 8151
- RCRA metals – 6010, 7400
- Oil & grease – 9071

4.0 Evaluation and Presentation of Results

The following sections describe the results of the limited Phase II ESA. The full analytical reports are included as Appendix B.

4.1 Subsurface Conditions

The following sections describe the lithology as observed from sample inspection at sample locations 1-20.

4.1.1 Geologic Setting

The geology of the area is consistent with the deposition of near surface swamp marsh deposits associated with fluvial depositional processes and dredging processes. These deposits typically consist of surface layer (0” to 3”) of very dark gray, clay, a subsoil layer (3” to 21”) of dark gray, mottled firm clay, a subsoil layer (21” to 36”) of black muck, a substratum layer (36” to 68”) of dark gray, mottled semifluid clay. Underlying rock formations include Quaternary and Tertiary sedimentary deposits.

4.1.2 Hydrogeologic Conditions

Regional groundwater movement in Algiers, LA is in a southeastern direction. Algiers, LA is located within the Mississippi River alluvial valley. Groundwater movement is controlled by the Mississippi River and the Gulf of Mexico. The site does not recharge a major Louisiana freshwater aquifer.

4.1.2 Verification of Sampling and Quality Objectives

The sampling objectives included collection of sediment samples. The sampling objectives were met. In addition, the quality objectives included collection of specific quality control samples, including a split sample and blanks, and running MS/MSD analysis. These quality objectives were also met without exception.

4.2 Analytical Data

The analytical results from the sediment sampling under the limited Phase II ESA are summarized in Table 1. The analytical results from the subsequent sampling under the modification are summarized in Table 2.

Initial Task

The analytical results (COCs detected) from the initial sampling are briefly summarized below for each sample location. The actual concentrations detected at each location are listed on the summary table. Overall, there were few COCs detected, and if not detected in every borehole, they were primarily detected in the samples from the western half of the canal area investigated. The detected COCs included TPH-D, TPH-O, benzo(b)fluoranthene, acetone, carbon disulfide, and metals (arsenic, barium, cadmium, chromium, lead, and mercury). TPH-D and barium were the only contaminants detected above the limiting RECAP screening standard(s).

Location 1: The COCs detected in sample 1 were TPH-D, acetone, carbon disulfide, arsenic, barium, chromium, lead, and mercury.

Location 2: The COCs detected in sample 2 were TPH-D, TPH-O, acetone, carbon disulfide, arsenic, barium, chromium, lead, and mercury.

Location 3: The COCs detected in sample 3 were TPH-D, acetone, carbon disulfide, arsenic, barium, chromium, lead, and mercury.

The COCs detected in the split sample of sample 3 were TPH-D, TPH-O, acetone, carbon disulfide, arsenic, barium, chromium, lead, and mercury.

Location 4: The COCs detected in sample 4 were TPH-D, TPH-O, acetone, carbon disulfide, arsenic, barium, chromium, lead, and mercury.

Location 5: The COCs detected in sample 5 were TPH-D, TPH-O, acetone, carbon disulfide, arsenic, barium, cadmium, chromium, lead, and mercury.

Location 6: The COCs detected in sample 6 were TPH-D, acetone, carbon disulfide, arsenic, barium, chromium, lead, and mercury.

Location 7: The COCs detected in sample 7 were TPH-D, TPH-O, acetone, carbon disulfide, arsenic, barium, cadmium, chromium, lead, and mercury.

Location 8: The COCs detected in sample 8 were TPH-D, benzo(b)fluoranthene, acetone, carbon disulfide, arsenic, barium, chromium, lead, and mercury.

Location 9: The COCs detected in sample 9 were TPH-D, TPH-O, acetone, carbon disulfide, arsenic, barium, cadmium, chromium, lead, and mercury.

Location 10: The COCs detected in sample 10 were TPH-D, TPH-O, acetone, carbon disulfide, arsenic, barium, chromium, lead, and mercury.

Additional Sampling under Modification to Task Order 4
The analytical results from the additional sediment sampling revealed that oil & grease was detected in all 11 of the samples (including the split sample), while TPH-D was detected in seven of the 11 samples (11, 12, 15, 16, 17, 19, and 20). None of the concentrations exceeded the limiting RECAP screening standard. Oil & grease concentrations were typical of sediment concentrations in an industrial canal.

The data quality is discussed in Section 5.3.

An evaluation of these data with regard to RECAP screening standards is included in Section 5.2; the limiting RECAP screening standards (the more

stringent of soil screening non-industrial exposure (SSni) and soil screening protective of groundwater (SSgw)) are included on Tables 1 and 2.

5.0 Discussion of Findings and Conclusions

This limited Phase II ESA (including subsequent sampling) was conducted in accordance with the approved work plans (SAP, H&S Plan, and FSP Amendment) and all guidance referenced in those work plans, including ASTM guidance E 1903-97. All activities planned for this site were performed as anticipated.

5.1 Recognized Environmental Conditions

The limited Phase II ESA was conducted to evaluate the potential presence of contaminants as well as to provide baseline chemical data for the site (for protection of future construction workers and for decisions regarding management of the dredge material). Previous assessments have identified current and historic industrial activity as well as pumping stations in the area and the resulting potential for contamination of the canal sediment. The additional sediment sampling was conducted to confirm whether TPH-D contamination was present in the canal.

The scope of work under the limited Phase II ESA included sediment sampling and analysis from ten locations in the canal. The scope of work under the modification included sediment sampling from ten additional locations near each of five previous locations showing TPH-D contamination. The results of the limited Phase II ESA indicate the following. Recommendations based on the findings are included in Section 6.0.

The first sample results under the investigation revealed low levels of TPH-D (with several elevated concentrations as well), TPH-O, acetone, carbon disulfide, one hit of benzo(b)fluoranthene, and metals (arsenic, barium, chromium, and lead). Most of these COCs were detected in all or nearly all of the samples. TPH-D and barium were the only COCs with concentrations above the limiting RECAP standards. The results from the subsequent sampling indicated that TPH-D was detected in seven of 11 samples and oil & grease was detected in all of the samples. For the screening purposes of this investigation and unlimited reuse options for the sediment, the RECAP standards considered were the more stringent of non-industrial exposure and protective of groundwater (in terms of drinking water).

The presence of the petroleum hydrocarbons (TPH-D and TPH-O) are likely the result of runoff and discharge from the pumping stations into the canal. The sample interval for the original ten sediment samples was the 0-1 foot into the surface of the sediment. The result is that the levels presented are very concentrated. The subsequent sampling under the modification involved collection of the 0-3 foot surface interval of the sediment. **The results were that**

TPH-D was either not detected or detected at low concentrations below the limiting RECAP standard. It is apparent that the elevated TPH-D concentrations were attributed to bits of contaminated material on the canal bottom (on the surface of the sediment). The oil & grease concentrations (converted from the percentages reported by the laboratory) range from 30 mg/kg to 390 mg/kg. This range is consistent with typical concentrations found in an industrial canal. Further evaluation of these concentrations with potential impact to water (assuming all oil & grease leaches into the water) indicates water concentrations at or below the state discharge limit of 15 mg/l. Therefore the sediment has not been impacted such that remediation is necessary or that limited reuse options are available. Further consideration of petroleum hydrocarbon concentrations is not necessary.

The elevated barium concentration from the original sampling effort exceeds the non-industrial standard (550 mg/kg), but not the industrial (14,000 mg/kg) or protective of groundwater (2,000 mg/kg) standards. Any exposure to the sediment would be industrial in nature (USACE construction personnel); recreational exposure is unlikely. Therefore, the barium concentration at location 9 is acceptable for the proposed USACE plan and further consideration of the barium concentration is not necessary.

5.2 Affected Media

The analytical results from the limited Phase II ESA indicate that a few of the COCs (TPH-D, TPH-O, benzo(b)fluoranthene, acetone, carbon disulfide, and metals (arsenic, barium, cadmium, chromium, lead, and mercury)) were detected at the site. The metal concentrations (except for barium at location 9) are in the range associated with background levels, and the presence of the organic COCs is likely associated with contamination of runoff or pumping station discharge from previous surface spills.

The concentrations detected in each sample are indicated in Tables 1 and 2. These data were reviewed with respect to LDEQ RECAP screening standards. The screening standards considered are the most stringent of soil screening non-industrial (SSni) or soil screening protective of groundwater (SSgw). The limiting RECAP screening standards for each contaminant of concern are included on the summary tables.

TPH-D and barium are the only contaminants that were detected above the screening standards. Elevated TPH-D concentrations were present at locations 4 (95.5 mg/kg), 7 (104 mg/kg), 8 (70.5 mg/kg), 9 (165 mg/kg), and 10 (112 mg/kg); the elevated barium concentration was found at location 9 (928 mg/kg). **TPH-D was further investigated and determined to be present at acceptable concentrations requiring no further consideration. The barium concentration was evaluated based on future exposure scenarios and determined not to require additional consideration.**

5.3 Evaluation of Media Quality

One of the objectives of the limited Phase II ESA was to provide quality data to support risk-based decisions about contamination at the site. The quality of the data is based on the results of the quality control samples (trip blank, field blank, rinsate blank, split sample, and matrix spike/matrix spike duplicate (MS/MSD) analysis).

As indicated in the final analytical report from Pace (see Appendix B), some of the samples from the initial sampling effort reported recoveries outside of QC acceptance criteria for spiking compounds and surrogates (which can be attributed to matrix interference); this occurred primarily with TPH-G, SVOCs, VOCs, some PCBs, and herbicides. Overall, the samples were within the acceptance criteria.

Also in the same data set, TPH-G was detected as J-flagged (above the MDL but below the reporting limit) in one laboratory method blank. This may be the result of laboratory contamination; the project samples did not indicate the presence of this COC. The trip blank and field blank indicated that COCs were not detected, but cadmium and lead were detected at low levels in the rinsate blank. The detected concentrations of these COCs in the primary samples do not exceed the RECAP standards, so there is no concern.

The data from the second sampling effort (sent to SPL) had no issues – all recoveries were within the acceptance criteria, and all blanks were non-detect.

Overall, the data are of sufficient quality to satisfy the objectives of this assessment and the recommendations provided in this report.

5.4 Other Concerns (Adequacy of Assessment)

The Phase II ESA is a limited site assessment conducted to provide information about suspected or potential environmental conditions at a property. The findings of the Phase II ESA provide information about the RECs identified in the Phase I ESA, or in this case about potential contamination based on area site use as well as baseline chemical information at the site. The sediment sample results indicate that there is one location with an elevated concentration of barium (which can be managed considering future exposure scenarios) and that although the western portion of the canal initially revealed elevated TPH-D concentrations in 5 sample locations, TPH-D contamination does not exist when evaluating a full surface interval under RECAP (0-3 ft bgs). SPA-MMG's recommendations are discussed in Section 6.0.

6.0 Recommendations

Based on evaluation of both sets of data (from the original investigation and the subsequent sampling event), most of the contaminants were not detected or were detected at concentrations below the most conservative LDEQ RECAP

(risk-based) screening standards, indicating unlimited reuse of the dredge material and no concern for construction worker exposure. A barium concentration in one original location exceeded the most conservative standard (using the more stringent of non-industrial exposure (SSni) and protective of groundwater (SSgw)). This concentration (928 mg/kg) exceeded the soil standard for non-industrial exposure (550 mg/kg), but future exposure is likely to be industrial. In addition, there is no concern for contamination of groundwater at this concentration, therefore further consideration of the elevated barium concentration for the purposes of the proposed dredging plan is not necessary.

Initially, elevated TPH-D concentrations were identified in the western half of the canal (at sample locations 4, 7, 8, 9, and 10). However, these concentrations were detected in the 0-1 foot surface interval; further evaluation of the 0-3 foot surface interval near these locations indicates that TPH-D contamination above RECAP standards is not present. The presence of petroleum hydrocarbon concentrations is likely the result of surface runoff, and the previous elevated concentrations are associated with bits of contaminated material on the sediment surface.

The results indicate that the sediment has not been impacted. SPA-MMG recommends that no further investigation or remediation is necessary prior to the dredging activities.

Tables

Table 1: Summary of Algiers Canal Sediment Sample Results – Initial Task

Parameter	RECAP SS (mg/kg)[1]	Sample Result (mg/kg)										
		SD-3503ACE-01	SD-3503ACE-02	SD-3503ACE-03	SD-3503ACE-03a	SD-3503ACE-04	SD-3503ACE-05	SD-3503ACE-06	SD-3503ACE-07	SD-3503ACE-08	SD-3503ACE-09	SD-3503ACE-10
TPHs												
TPH-G	65	<4.19	<3.50	<3.03	<2.83	<2.66	<3.93	<2.77	<3.68	<3.31	<2.85	<3.37
TPH-D	65	50.9	54.3	52.9	29.5	**95.5**	48.2	10.6	**104**	**70.5**	**165**	**112**
TPH-O	180	<50	81.5	<50	72.6	104	76.0	<50	105	<50	111	124
SVOCs												
Acenaphthene	220	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Acenaphthylene	88	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Aniline	0.065	**<0.33**	**<0.33**	**<0.33**	**<0.33**	**<0.33**	**<0.33**	**<0.33**	**<0.33**	**<0.33**	**<0.33**	**<0.33**
Anthracene	120	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Benz(a)anthracene	0.62	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Benzo(b)fluoranthene	0.62	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	0.357	<0.33	<0.33
Benzo(k)fluoranthene	6.2	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Benzo(a)pyrene	0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Biphenyl	190	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Butylbenzylphthalate	220	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Dinoseb	0.14	**<0.33**	**<0.33**	**<0.33**	**<0.33**	**<0.33**	**<0.33**	**<0.33**	**<0.33**	**<0.33**	**<0.33**	**<0.33**
3&4-Chloroaniline	1.5	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Bis(2-Chloroethyl)ether	0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
2,2'-Oxybis(1-chloropropane)	NS	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
2-Chloronaphthalene	500	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
2-Chlorophenol	1.4	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Chrysene	62	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Dibenz(a,h)anthracene	0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Dibenzofuran	24	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,2-Dichlorobenzene	29	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,3-Dichlorobenzene	2.1	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,4-Dichlorobenzene	5.7	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
3,3'-Dichlorobenzidine	0.97	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667	<0.667
2,4-Dichlorophenol	12	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Diethylphthalate	360	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
2,4-Dimethylphenol	20	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Dimethylphthalate	1500	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,3-Dinitrobenzene	0.25	**<0.33**	**<0.33**	**<0.33**	**<0.33**	**<0.33**	**<0.33**	**<0.33**	**<0.33**	**<0.33**	**<0.33**	**<0.33**
2,4-Dinitrophenol	1.7	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
2,4-Dinitrotoluene	1.0	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
2,6-Dinitrotoluene	0.39	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Di-n-octylphthalate	240	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33

Parameter	RECAP SS (mg/kg)[1]	Sample Result (mg/kg)										
		SD-3503ACE-01	SD-3503ACE-02	SD-3503ACE-03	SD-3503ACE-03a	SD-3503ACE-04	SD-3503ACE-05	SD-3503ACE-06	SD-3503ACE-07	SD-3503ACE-08	SD-3503ACE-09	SD-3503ACE-10
Bis(2-ethylhexyl)phthalate	35	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Fluoranthene	220	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Fluorene	230	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Hexachlorobenzene	0.34	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Hexachloro-1,3-butadiene	0.82	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Hexachlorocyclopentadiene	1.4	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Hexachloroethane	2.2	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Indeno(1,2,3-cd)pyrene	0.62	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Isophorone	0.56	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
2-Methylnaphthalene	1.7	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Naphthalene	1.5	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
2-Nitroaniline	1.7	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
3-Nitroaniline	1.7	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
4-Nitroaniline	1.7	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Nitrobenzene	0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
4-Nitrophenol	2.6	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
N-Nitroso-di-n-propylamine	0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
N-Nitrosodiphenylamine	2.1	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Pentachlorophenol	1.7	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Phenanthrene	660	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Phenol	11	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Pyrene	230	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,2,4,5-Tetrachlorobenzene	1.2	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
2,3,4,6-Tetrachlorophenol	31	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
2,4,5-Trichlorophenol	320	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
2,4,6-Trichlorophenol	1.3	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
VOCs												
Acetone	1.5	0.0657	0.0447	0.0424	0.0294	0.0403	0.0741	0.0386	0.0591	0.0729	0.0538	0.0545
Benzene	0.051	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
Bromodichloromethane	0.92	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
Bromoform	1.8	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
Bromomethane	0.04	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
2-Butanone (MEK)	5.0	<0.0139	<0.0131	<0.0138	<0.0123	<0.0105	<0.0163	<0.0119	<0.0115	<0.0132	<0.0117	<0.0123
Carbon disulfide	11	0.0158	0.0221	0.0149	0.0154	0.0123	0.0153	0.0134	0.0119	0.0180	0.0128	0.0130
Carbon tetrachloride	0.11	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
Chlorobenzene	3.0	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
Chloroethane	0.035	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
Chloroform	0.044	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
Chloromethane	0.1	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
Dibromochloromethane	1.0	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616

Parameter	RECAP SS (mg/kg)[1]	Sample Result (mg/kg)										
		SD-3503ACE-01	SD-3503ACE-02	SD-3503ACE-03	SD-3503ACE-03a	SD-3503ACE-04	SD-3503ACE-05	SD-3503ACE-06	SD-3503ACE-07	SD-3503ACE-08	SD-3503ACE-09	SD-3503ACE-10
1,2-Dibromo-3-chloropropane	0.01	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
1,1-Dichloroethane	7.5	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
1,2-Dichloroethane	0.035	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
1,1-Dichloroethene	0.085	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
cis-1,2-Dichloroethene	0.49	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
trans-1,2-Dichloroethene	0.77	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
1,2-Dichloropropane	0.042	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
cis-1,3-Dichloropropene	0.04	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
trans-1,3-Dichloropropene	0.04	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
Ethylbenzene	19	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
Methyl-tert-butyl ether	0.077	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
Methylene chloride	0.017	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
4-methyl-2-pentanone (MIBK)	6.4	<0.0139	<0.0131	<0.0138	<0.0123	<0.0105	<0.0163	<0.0119	<0.0115	<0.0132	<0.0117	<0.0123
Isobutanol	30	<0.347	<0.326	<0.344	<0.308	<0.264	<0.407	<0.298	<0.289	<0.329	<0.292	<0.308
Styrene	11	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
1,1,1,2-Tetrachloroethane	0.046	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
1,1,2,2-Tetrachloroethane	0.006	**<0.00694**	**<0.00653**	**<0.00689**	**<0.00616**	<0.00527	**<0.00814**	<0.00595	<0.00577	**<0.00658**	<0.00584	**<0.00616**
Tetrachloroethene	0.18	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
Toluene	20	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
1,2,4-Trichlorobenzene	14	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
1,1,1-Trichloroethane	4.0	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
1,1,2-Trichloroethane	0.058	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
Trichloroethene	0.073	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
Trichlorofluoromethane	37	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
Vinyl chloride	0.013	<0.00278	<0.00261	<0.00275	<0.00246	<0.00211	<0.00326	<0.00238	<0.00231	<0.00263	<0.00234	<0.00246
m&p-Xylene	18	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
o-Xylene	18	<0.00694	<0.00653	<0.00689	<0.00616	<0.00527	<0.00814	<0.00595	<0.00577	<0.00658	<0.00584	<0.00616
Pesticides												
Aldrin	0.028	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170
alpha-BHC	0.0064	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170
beta-BHC	0.016	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170
gamma-BHC (Lindane)	0.033	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170
Chlordane	1.6	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333
4,4'-DDD	1.5	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333
4,4'-DDE	1.7	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333
4,4'-DDT	1.7	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333
Dieldrin	0.03	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333
Endosulfan I	34	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170
Endosulfan II	34	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333
Endrin	1.8	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333	<0.00333

Parameter	RECAP SS (mg/kg)[1]	Sample Result (mg/kg)										
		SD-3503ACE-01	SD-3503ACE-02	SD-3503ACE-03	SD-3503ACE-03a	SD-3503ACE-04	SD-3503ACE-05	SD-3503ACE-06	SD-3503ACE-07	SD-3503ACE-08	SD-3503ACE-09	SD-3503ACE-10
Heptachlor	0.016	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170
Heptachlor epoxide	0.053	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170	<0.00170
Methoxychlor	30	<0.0167	<0.0167	<0.0167	<0.0167	<0.0167	<0.0167	<0.0167	<0.0167	<0.0167	<0.0167	<0.0167
Toxaphene	0.44	<0.0670	<0.0670	<0.0670	<0.0670	<0.0670	<0.0670	<0.0670	<0.0670	<0.0670	<0.0670	<0.0670
Herbicides												
2,4-D	NS	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667
2,4-DB	NS	<0.167	<0.167	<0.167	<0.167	<0.167	<0.167	<0.167	<0.167	<0.167	<0.167	<0.167
Dicamba	NS	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667
Dichloroprop	NS	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667
MCPA	NS	<8.33	<8.33	<8.33	<8.33	<8.33	<8.33	<8.33	<8.33	<8.33	<8.33	<8.33
MCPP	NS	<8.33	<8.33	<8.33	<8.33	<8.33	<8.33	<8.33	<8.33	<8.33	<8.33	<8.33
2,4,5-T	NS	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667
2,4,5-TP (Silvex)	NS	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667	<0.0667
PCBs												
PCB-1016	0.11	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333
PCB-1221	0.11	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333
PCB-1232	0.11	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333
PCB-1242	0.11	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333
PCB-1248	0.11	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333
PCB-1254	0.11	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333
PCB-1260	0.11	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333
RCRA Metals												
Arsenic	12	4.12	3.96	3.55	3.34	4.03	4.49	3.6	3.43	4.19	3.78	4.15
Barium	550	118	134	113	88.7	127	130	84.6	385	311	**928**	464
Cadmium	3.9	<0.5	<0.439	<0.455	<0.333	<0.431	0.520	<0.5	0.487	<0.5	0.456	<0.472
Chromium	23	7.47	7.13	7.45	7.07	7.2	8.01	8.54	10.1	9.82	10.3	10.4
Lead	100	14.7	9.69	12.2	9.11	16.0	15.6	9.81	28.6	16.7	21.0	18.3
Mercury	2.3	0.0439	0.0328	0.0416	0.0390	0.0382	0.0475	0.0278	0.0545	0.0473	0.0450	0.0455
Selenium	20	<3.5	<3.07	<3.18	<2.33	<3.02	<3.24	<3.5	<3.24	<3.5	<3.07	<3.3
SIlver	39	<1.0	<0.877	<0.909	<0.667	<0.862	<0.926	<1.0	<0.926	<1.0	<0.877	<0.943

1. The RECAP screening standards listed are the more stringent of soil screening non-industrial exposure (SSni) and soil screening protective of groundwater (SSgw).

Table 2: Summary of Additional Sediment Sample Results – Modification

Parameter	RECAP Standard (mg/kg)	Sample Result										
		SD-3505ACE-11	SD-3505ACE-12	SD-3505ACE-13	SD-3505ACE-14	SD-3505ACE-15	SD-3505ACE-15a	SD-3505ACE-16	SD-3505ACE-17	SD-3505ACE-18	SD-3505ACE-19	SD-3505ACE-20
TPH-D (mg/kg)	65	16	11	<3.3	<3.3	11	<3.3	28	20	<3.3	35	13
Oil & grease (%)	NS	0.025	0.01	0.003	<0.005	0.039	0.037	0.019	0.022	0.007	0.04	0.04

The RECAP screening standard listed is the more stringent of soil screening non-industrial exposure (SSni) and soil screening protective of groundwater (SSgw).

Table 3: Comparison of New TPH-D Results with Previous Results

Previous Sample Location – TPH-D Concentration	New Adjacent Sample Locations – TPH-D Concentrations
4 – 95.5 mg/kg	11 – 16 mg/kg, 12 – 11 mg/kg
7 – 104 mg/kg	13 – <3.3 mg/kg, 14 – <3.3 mg/kg
8 – 70.5 mg/kg	15 – 11 mg/kg, 15a – <3.3 mg/kg, 16 – 28 mg/kg
9 – 165 mg/kg	17 – 20 mg/kg, 18 – <3.3 mg/kg
10 – 112 mg/kg	19 – 35 mg/kg, 20 – 13 mg/kg

Table 4: Sample Location Geographic Coordinates

Sample Location	Latitude	Longitude
01	N 29°53'40.17"	W 89°59'45.25"
02	N 29°53'3.70"	W 90° 0'2.86"
03	N 29°52'57.68"	W 90° 0'8.89"
04	N 29°52'17.60"	W 90° 0'32.87"
05	N 29°51'45.55"	W 90° 0'52.33"
06	N 29°51'9.64"	W 90° 1'111.18"
07	N 29°50'56.39"	W 90° 1'36.41"
08	N 29°50'17.52"	W 90° 2'29.70"
09	N 29°49'49.78"	W 90° 3'11.29"
10	N 29°49'25.99"	W 90° 3'51.33"
11	N 29°52'18.5"	W 90° 0'34.4"
12	N 29°52'18.7"	W 90° 0'34.4"
13	N 29°50'57.6"	W 90° 1'28.5"
14	N 29°50'57.3"	W 90° 1'28.2"
15	N 29°50'18.2"	W 90° 2'28.8"
16	N 29°50'17.8"	W 90° 2'28.6"
17	N 29°49'47.9"	W 90° 3'12.4"
18	N 29°49'48.3"	W 90° 3'13.1"
19	N 29°49'25.1"	W 90° 3'56.2"
20	N 29°49'25.7"	W 90° 3'56.3"

Figures

Figure 1: Site Location Map

Figure 1: Site Location Map

Algiers Canal Investigation Area
Algiers, LA

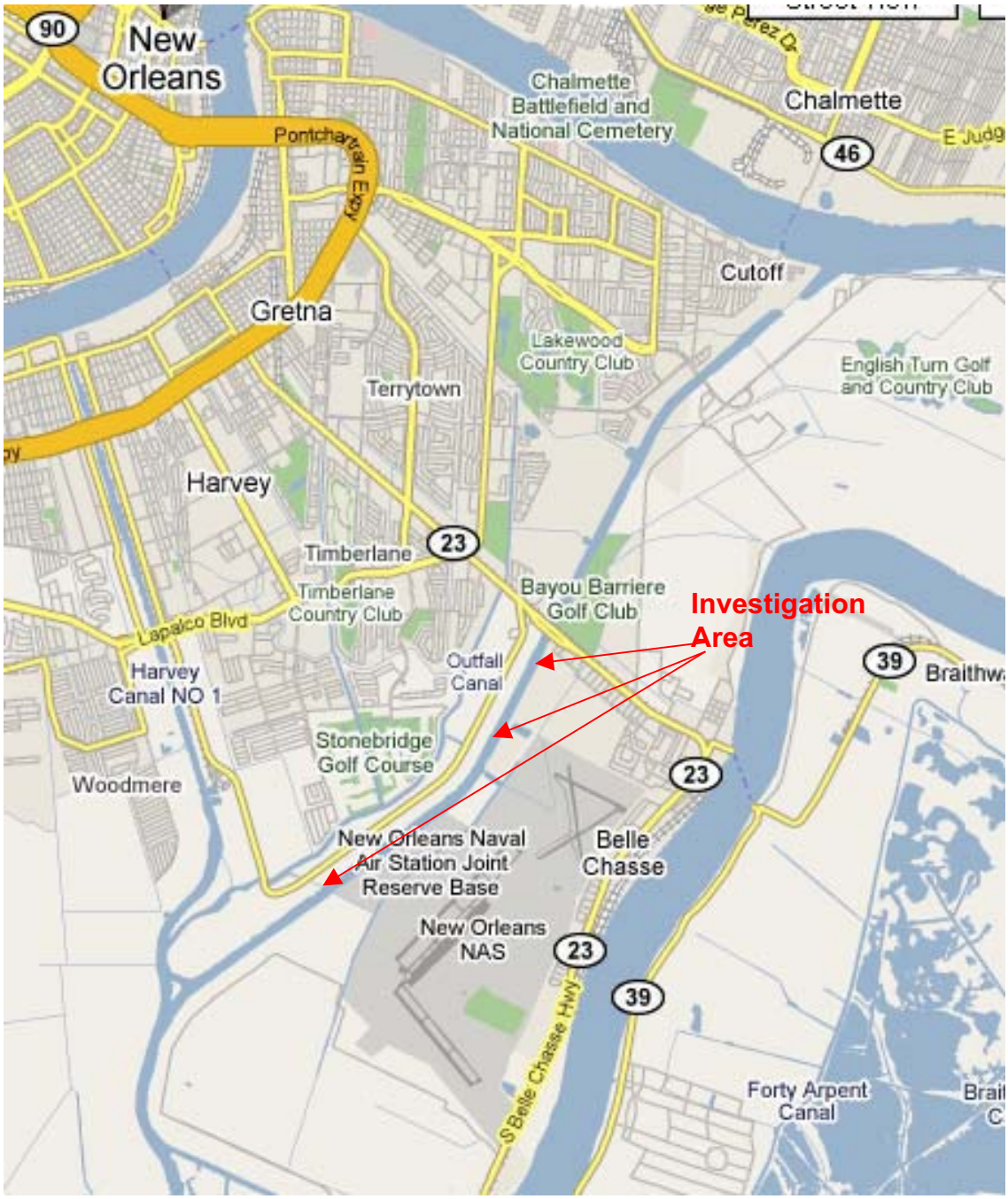

Figure 2: Actual Sample Location Map – Initial Task

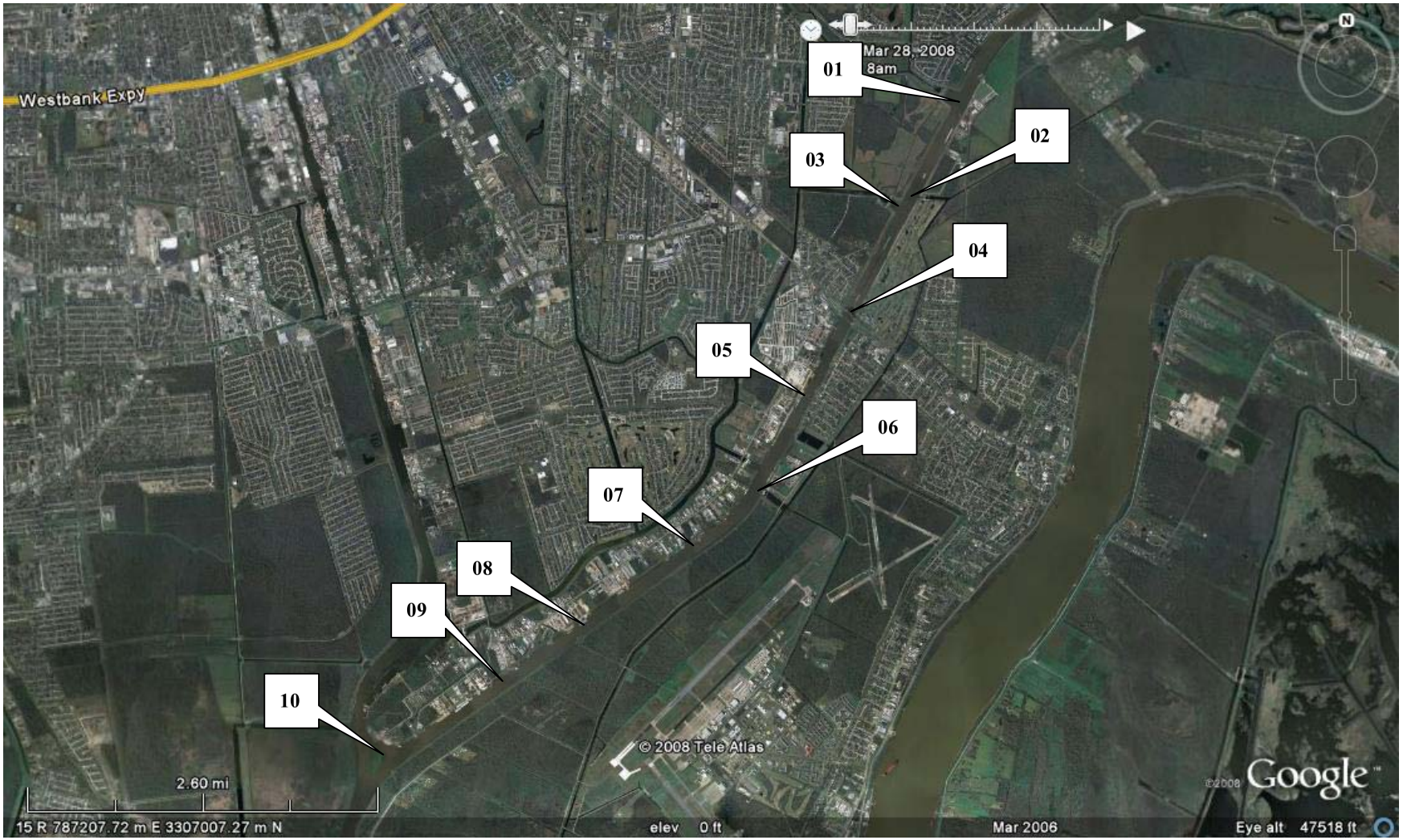

Figure 3: Sample Location Map – All Samples – Aerial View

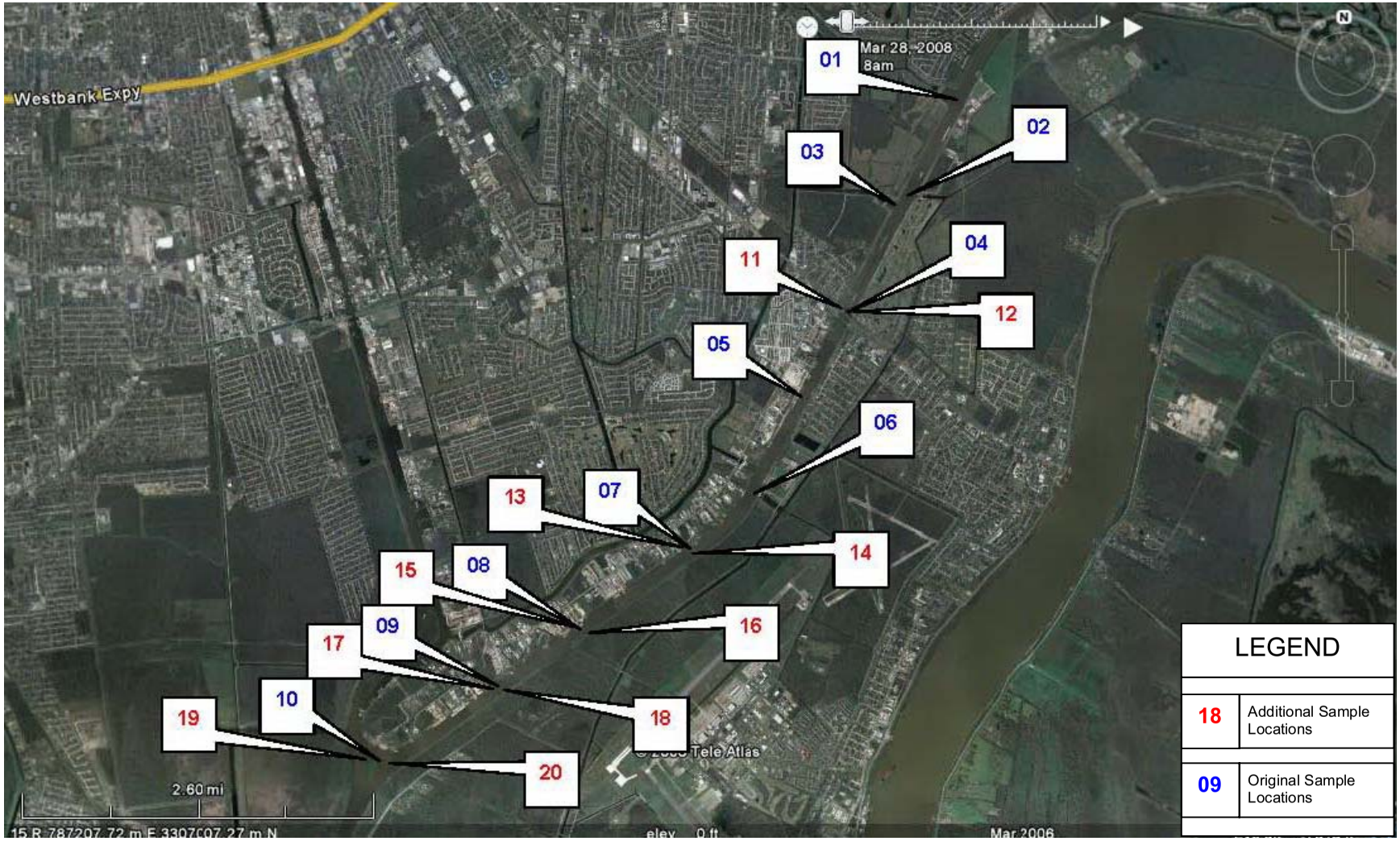

Figure 4: Sample Locations 11 & 12 (Modification) – Aerial View

Figure 5: Sample Locations 13 & 14 (Modification) – Aerial View

Figure 6: Sample Locations 15 & 16 (Modification) – Aerial View

Figure 7: Sample Locations 17 & 18 (Modification) – Aerial View

Figure 8: Sample Locations 19 & 20 (Modification) – Aerial View

Appendices

Appendix A: Sampling Logs

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4 Mod	Project: 3505-ACE Site: ~~Algiers Canal~~
Sample I.D.:	SD-3505ACE-11
Date (YYMMDD):	12-15-08
Time (HHMMSS):	9:43
Top Depth:	0
Bottom Depth:	4.5'
Matrix:	Sediment
Sample Qualifier:	QA/QC/RB/CS
Sample Type:	Conform.
Sampler:	Wendell Thompson
Witness:	R. Pumilia
Contractor:	
Remarks:	Sandy, Dark Grey
	Coarse, Well Sorted,
	No Odor, No Inclusions
	Water 1.5' Deep
Weather:	P-Cloudy
Prepared by:	W. Thompson
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
4oz	4oz	TPH D, OLG	1

PID **Field Screening Results**

0-3	0.0	

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4 Mod	Project: 3505-ACE Site: ~~Algiers Canal~~
Sample I.D.:	SD-3505ACE-12
Date (YYMMDD):	12-15-08
Time (HHMMSS):	9:56
Top Depth:	0
Bottom Depth:	4.5'
Matrix:	Sediment
Sample Qualifier:	QA/QC/RB/CS
Sample Type:	Confow
Sampler:	W.T.
Witness:	R.P.
Contractor:	
Remarks:	Same material as 11
	Water 1.5' Deep
Weather:	
Prepared by:	W.T.
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
4oz	4oz	TPHD, OFG	1

PID **Field Screening Results**

0-3	0.0	

SEDIMENT SAMPLE COLLECTION LOG

MS /MSD

Delivery Order No W912P8-08-D-0029, TO 4 Mod	Project: 3505-ACE Site: ~~Algiers Canal~~
Sample I.D.:	SD-3505ACE-13
Date (YYMMDD):	12-15-08
Time (HHMMSS):	10:45
Top Depth:	0
Bottom Depth:	12.5'
Matrix:	Sediment
Sample Qualifier:	QA/QC/RB/CS
Sample Type:	~~Grab~~ Sediment
Sampler:	WO
Witness:	RP
Contractor:	
Remarks:	Dark Grey, Sandy Clay, Muck Material, No Odor, No Inclusions
	Water 9.5' Deep
Weather:	P-Cloudy 70°F
Prepared by:	WO.
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
4Oz	4oz	TPH D OLG	3
			1
		MS/MSD	

Field Screening Results

PID		
0-3	0.0	

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4 Mod	Project: 3505-ACE Site: ~~Algiers Canal~~
Sample I.D.: SD-3505 ACE - 14	
Date (YYMMDD): 12-15-08	
Time (HHMMSS): 10:50	
Top Depth: 0	
Bottom Depth: 13.5'	
Matrix: Sediment	
Sample Qualifier: QA/QC/RB/CS	
Sample Type:	
Sampler: WT	
Witness: RP	
Contractor:	
Remarks: Same Material as B 13	
Water 10.5' Depth	
Weather: P-Cloudy 70°'	
Prepared by: WT.	
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
4 oz	4.0 oz	TPH D ~~OEG~~	1

PID **Field Screening Results**

0-3	0.0	

SEDIMENT SAMPLE COLLECTION LOG

SPLIT

Delivery Order No W912P8-08-D-0029, TO 4 Mod	Project: 3505-ACE Site: ~~Algiers Canal~~
Sample I.D.:	SD-3505ACE-15 SD-3505ACE-15a
Date (YYMMDD):	12-15-08
Time (HHMMSS):	11:00
Top Depth:	0
Bottom Depth:	15.5'
Matrix:	Sediment
Sample Qualifier:	QA/QC/RB/CS
Sample Type:	
Sampler:	WT
Witness:	RP
Contractor:	
Remarks:	Dark Grey, Sandy Clay, Fine Sand, Sorted, No Inclusions, No Odor
	Water Depth 12.5'
Weather:	P-Cloudy 70°F
Prepared by:	WT.
Checked by:	

Analytical Request

	Container Type	Sample Volume	Parameter	No. of Cont.
15	4oz		TPH-D O&G	1
15a	4oz		TPH-D O&G	1

Field Screening Results

PID		
0-3	0.0	

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4 Mod	Project: 3505-ACE Site: ~~Algiers Canal~~
Sample I.D.: SD-3505ACE-16	
Date (YYMMDD): 12-15-08	
Time (HHMMSS): 11:05	
Top Depth: 0'	
Bottom Depth: 16.5'	
Matrix: Sediment	
Sample Qualifier: QA/QC/RB/~~CS~~ D	
Sample Type:	
Sampler: W.T.	
Witness: R.P.	
Contractor:	
Remarks: Same as B15	
Water Depth 13.5'	
Weather:	
Prepared by: R.P.	
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
4oz	4 oz	TPH-D 8015	1

PID	Field Screening Results	
0-3	0.0	

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4 Mod	Project: 3505-ACE Site: ~~Algiers Canal~~
Sample I.D.: SD-3505ALE-17	
Date (YYMMDD): 12-15-09	
Time (HHMMSS): ~~11:29~~ 11:30	
Top Depth: 0'	
Bottom Depth: 8.5'	
Matrix: Sediment	
Sample Qualifier: QA/QC/RB/CS	
Sample Type:	
Sampler: WT	
Witness: RP	
Contractor:	
Remarks: Grey Sandy Clay, Fine Sand, Sorted, No Inclusions, No Odor	
Water Depth 5.5'	
Weather: P-Cloudy - Light Rain,	
Prepared by: W.T.	
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
4oz	4oz	TPH-D 8015	1

Field Screening Results

PID		
0-3	0.0	

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4 Mod	Project: 3505-ACE Site: ~~Algiers Canal~~
Sample I.D.: SD-3505ACE-18	
Date (YYMMDD):	12-15-08
Time (HHMMSS):	11:35
Top Depth:	0'
Bottom Depth:	8.5'
Matrix:	Sediment
Sample Qualifier:	QA/QC/RB/CS
Sample Type:	
Sampler:	W.T.
Witness:	R.B.
Contractor:	
Remarks:	Same as 17
Water Depth 5.5'	
Weather:	P-Cloudy - Light Rain
Prepared by:	W.T.
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
4 oz	4 oz	TPH-D O&G	1
Rinse Blank			
~~32~~ 2 oz	64 oz	TPH-D ~~O&G~~	2
60 ml	180 ml	O&G	3

Field Screening Results

PID		
0-3	0.0	

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4 Mod	Project: 3505-ACE Site: ~~Algiers Canal~~
Sample I.D.: SD- 3505ACE- 19	
Date (YYMMDD):	12-15-08
Time (HHMMSS):	12:05
Top Depth:	0'
Bottom Depth:	4'
Matrix:	Sediment
Sample Qualifier:	QA/QC/RB/CS
Sample Type:	
Sampler:	WT
Witness:	R. P.
Contractor:	
Remarks:	Sandy Clay, Dark Gray, No Odor, No Inclusions, Muck, No Veg.
	Water Depth 0.5'
Weather:	Cloudy, 70°F, Calm Humid
Prepared by:	W.T.
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
4oz	4oz	TPH-D OCG	1

PID Field Screening Results

0-3	0.0	

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4 Mod	Project: 3505-ACE Site: ~~Algiers Canal~~
Sample I.D.: SD-3505 ACE - 20	
Date (YYMMDD): 12-15-08	
Time (HHMMSS): 12:15	
Top Depth: 0'	
Bottom Depth: 3.5'	
Matrix: Sediment	
Sample Qualifier: QA/QC/RB/CS	
Sample Type:	
Sampler: WT	
Witness: R.P	
Contractor: Same as 19	
Remarks:	
Water Depth 0.5'	
Weather: Cloudy 70°F, Calm	
Prepared by: WT.	
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
4oz	4oz	TPH-G OCG	1

Field Screening Results

PID		
0-3	0.0	

Table 1: Sample Table

Sample Name	Date	Required Analysis (Method)	Containers*	Holding Time/Preservation*	Comments
SD-3505ACE-11 9:43	12-15-08	TPH-D, Oil & Grease	1 X 4 oz jar	14 d/Cool to 4°C	0.0 PID
SD-3505ACE-12 9:56		TPH-D, Oil & Grease	1 X 4 oz jar	14 d/Cool to 4°C	0.0
SD-3505ACE-13 10:45		TPH-D, Oil & Grease	1 X 4 oz jar	14 d/Cool to 4°C	MS/MSD 0.0
SD-3505ACE-14 10:50		TPH-D, Oil & Grease	1 X 4 oz jar	14 d/Cool to 4°C	0.0
SD-3505ACE-15 11:00		TPH-D, Oil & Grease	1 X 4 oz jar	14 d/Cool to 4°C	0.0
SD-3505ACE-15a 11:00		TPH-D, Oil & Grease	1 X 4 oz jar	14 d/Cool to 4°C	Split 0.0
SD-3505ACE-16 11:05		TPH-D, Oil & Grease	1 X 4 oz jar	14 d/Cool to 4°C	0.0
SD-3505ACE-17 11:30		TPH-D, Oil & Grease	1 X 4 oz jar	14 d/Cool to 4°C	0.0
SD-3505ACE-18 11:35		TPH-D, Oil & Grease	1 X 4 oz jar	14 d/Cool to 4°C	0.0 RB
SD-3505ACE-19 12:05		TPH-D, Oil & Grease	1 X 4 oz jar	14 d/Cool to 4°C	0.0
SD-3505ACE-20 12:15		TPH-D, Oil & Grease	1 X 4 oz jar	14 d/Cool to 4°C	0.0
W-3505ACE-RB-18 ~~date~~ 12-15-08 11:40		TPH-D Oil & Grease	3 X 60 ml vials 2 X 1 L glass	7 days/Cool to 4°C 7 days/HCl/Cool to 4°C	RB

After 18

FedEx Express *US Airbill*

FedEx Tracking Number 8517 9041 5405

Form ID No. 0200

Recipient's Copy

1 From

Date

Sender's Name: Wendell Thompson Phone: 504 368-0568

Company: M M G

Address: 3520 General DeGaulle Dr, #3010 Dept./Floor/Suite/Room

City: N.O. State: LA ZIP: 70114

2 Your Internal Billing Reference: ~~30~~ 3505ACE

3 To

Recipient's Name Phone: 337 237-4775

Company: Southern Petroleum Lab

Recipient's Address: 500 Ambassador Caffery Pkwy. Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City: Scott State: LA ZIP: 70583

8517 9041 5405

4a Express Package Service — *Packages up to 150 lbs.* * To most locations

- [x] FedEx Priority Overnight — Next business morning*
- [ ] FedEx Standard Overnight — Next business afternoon*
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations*
- [ ] FedEx 2Day — Second business day*
- [ ] FedEx Express Saver — Third business day*

FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service — *Packages over 150 lbs.* ** To most locations

- [ ] FedEx 1Day Freight* — Next business day**
- [ ] FedEx 2Day Freight — Second business day**
- [ ] FedEx 3Day Freight — Third business day**

* Call for Confirmation:

5 Packaging — * Declared value limit $500

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling — Include FedEx address in Section 3.

- [ ] **SATURDAY Delivery** — Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes
- [ ] **HOLD Weekday** at FedEx Location — Not available for FedEx First Overnight
- [ ] **HOLD Saturday** at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous goods (including Dry Ice) cannot be shipped in FedEx packaging.

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [x] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check
- [ ] Obtain Recip. Acct. No.

Total Packages	Total Weight	Total Declared Value†	Total Charges
		$ N/A .00	Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See back for details.

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Questions? Visit our Web site at fedex.com
or call 1.800.GoFedEx 1.800.463.3339.

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SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 271689

page 1 of 2

Client Name: Materials Management Group, Inc
Address: 3520 General De Gaulle Dr., #3010, NOLA
Phone/Fax: (504) 368-0568 (504) 368-8403
Client Contact: Karly Gibbs Email: karlyg.ibbs@mmgnola.com
Project Name/No.: Algiers Canal Sediment Add. Sampling 3504ACE
Site Name: Algiers Canal
Site Location: Algiers Canal, Plaquemines & Jefferson
Invoice To: Mimi Lo Ph: (504) 368-0568

matrix: W=water S=soil O=oil SL=sludge X=other
bottle: P=plastic A=amber glass G=glass V=vial X=other
size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other
pres.: 1=HCl 2=HNO3 3=H2SO4 X=other

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	TPH-D	Oil & Grease	MS / MSD						
SD-3505ACE-11	12-15-08	9:43		X	S	G	4oz		1	X	X							
SD-3505ACE-12		9:56		X					1	X	X							
SD-3505ACE-13		10:45		X					3	X	X	X						
SD-3505ACE-14		10:50		X					1	X	X							
SD-3505ACE-15		11:00		X					1	X	X							
SD-3505ACE-15a		11:00		X					1	X	X							
SD-3505ACE-16		11:05		X					1	X	X							
SD-3505ACE-17		11:30		X					1	X	X							
SD-3505ACE-18		11:35		X					1	X	X							
W-3505ACE-12-15-08		11:40		X	W	G,V	X,X	1	5	X	X							

Client/Consultant Remarks: RECAP Limits

Laboratory remarks:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp:

Requested TAT

Contract ☐ 72hr ☐
24hr ☒ Standard ☐
48hr ☐
Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☒

Special Detection Limits (specify):

PM review (initial):

1. Relinquished by Sampler: [signature]	date 12-15-08	time 15:00	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date	time	6. Received by Laboratory:

☐ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 271690

page 2 of 2

Client Name: Materials Management Group, Inc
Address: 3520 General De Gaulle Dr. #3010, NO. LA
Phone/Fax: (504) 365-0568 (504) 365-8403
Client Contact: Karly Gibbs Email: karlyg.gibbs@mmgnola.com
Project Name/No.: Algiers Canal Sediment Add. Sampling 3504ACE
Site ~~Name~~ Location: Algiers Canal, Plaquemines & Jefferson
Site ~~Location~~ Name: Algiers Canal
Invoice To: Mimi Lo Ph (504) 365-0568

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water S=soil O=oil SL=sludge X=other)	bottle (P=plastic A=amber glass G=glass V=vial X=other)	size (1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other)	pres. (1=HCl 2=HNO3 3=H2SO4 X=other)	Number of Containers	TPH - D	Oil & Grease
SD-3505ACE-19	12-15-08	12:05		X	S	G	4oz		1	X	X
SD-3505ACE-20	12-15-08	12:15		X	S	G	4oz		1	X	X

Requested Analysis

Client/Consultant Remarks: RECAP Limits

Laboratory remarks:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp:

Requested TAT

Contract ☐ 72hr ☐
24hr ☒ Standard ☐
48hr ☐
Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☒

Special Detection Limits (specify):

PM review (initial):

	date	time	
1. Relinquished by Sampler: Wane N [illegible]	12-15-08	15:00	2. Received by:
3. Relinquished by:	date	time	4. Received by:
5. Relinquished by:	date	time	6. Received by Laboratory:

☐ 8880 Interchange Drive
Houston, TX 77054 (713) 660-0901

☐ 500 Ambassador Caffery Parkway
Scott, LA 70583 (337) 237-4775

☐ 459 Hughes Drive
Traverse City, MI 49686 (231) 947-5777

500 Ambassador Caffery Parkway
Scott, LA 70583-8544
TEL: (337) 237-4775
FAX: (337) 237-8005

Bottle Order 26270

12/01/08 15:22

Submitted by: Jackson, Amy K.

SHIPPED TO:

Company: MATERIALS MANAGEMENT GROUP
Contact: WENDELL THOMPSON
Address: 3520 GENERAL DEGAULLE
SUITE 3010
NEW ORLEANS, LA 70114
Phone: (504) 368-0568

Ship Date: **12/2/2008**
VIA: **FedEx-Ground**
Due Date: **12/5/2008**

Quote ID: 30
Project Name: 3505-ACE
End User:
Project Location: LA
Special COC:
PO#(if applicable):

- [x] Custody seals
- [ ] Temperature Blank
- [ ] Trip Blank

Bottle Type	Test	Bottle Code	QTY
4-oz GLS unpres	RECAP Diesel Range Organics by Method 8015B Oil and Grease, Soxhlet/Gravimetric	4OZGU	14
1-LTR GLS wide mth 1:1 HCL to pH <2-pres	N-Hexane Extractable Material (HEM; Oil & Grease)	1LGWMHCL	2
3x60 mL AMB VOA vial unpres	RECAP Diesel Range Organics by Method 8015B	60mlAU-set(3)	1
1 GALLON DI WATER		DIWATER	1

Comments:

PLEASE INCLUDE SUFFICIENT LABELS, BUBBLE BAGS, ETC FOR ALL SAMPLE CONTAINERS.

12-5-08

Conrad

CHECKED DEC 0 2 2008

Questions? Please Call SPL (337) 237-4775 and ask for your client service representative.

Filled by .: _____ Courier ...: _____

Date/Time: _____ Freight # : _____

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4	Project: 3503-ACE Site: ~~Algiers Canal~~
Sample I.D.: SD-3503ACE-01	

Date (YYMMDD): 08-10-15

Time (HHMMSS): 10:37

Top Depth: 4.5 water 0

Bottom Depth: 12"

Matrix: Sediment

Sample Qualifier: QA/QC/RB/CS

Sample Type:

Sampler: W. Thompson

Witness: R. Pumilia

Contractor: None

Remarks:

Dark Grey Sand, Fine, Well Sorted, No Inclusions, No Odor, PS < 1mm, Well Sorted

Weather: P-Cloudy, 75°F, NW 10mph, Dry

Prepared by: W. Thompson

Checked by:

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encores		VOCs, THP-G	4
8oz		TPH-D&O, SVOCs, PCBs, Pests, Herbs	1
4oz		RCRA metals	1

Field Screening Results

0-1	0.0	

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4	Project: 3503-ACE Site: ~~Algiers Canal~~
Sample I.D.: SD-3503ACE-02	

Date (YYMMDD): 08-10-14

Time (HHMMSS): 11:04

Top Depth: 4' 0"

Bottom Depth: 12"

Matrix: Sediment

Sample Qualifier: QA/QC/RB/CS

Sample Type:

Sampler: W. Thompson

Witness: R. Pumilia

Contractor: None

Remarks:

Dark Grey Sand, Fine, Well Sorted, PS < 1mm No Inclusions, No Odor

Weather: P-Cloudy, 75°F, NW 10mph, Dry

Prepared by: W. Thompson

Checked by:

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encores		VOCs, THP-G	4
8oz		TPH-D&O, SVOCs, PCBs, Pests, Herbs	1
4oz		RCRA metals	1

Field Screening Results

0-1	0.0	

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4	Project: 3503-ACE Site: ~~Algiers Canal~~
Sample I.D.: SD-3503ACE-03	

Date (YYMMDD): 08-10-14

Time (HHMMSS): 11:17

Top Depth: 4.5' 0'

Bottom Depth: 1'

Matrix: Sediment

Sample Qualifier: QA/QC/RB/CS

Sample Type:

Sampler: W. Thompson

Witness: R. Pumilia

Contractor: None

Remarks: Dark Grey Sand, Fine, Well Sorted, No Inclusions, No Odor, Well Sorted, PS < 1mm

Weather: P-Cloudy, 80°F, NW 10mph, Dry

Prepared by: [signature]

Checked by:

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encores		VOCs, THP-G	4
8oz		TPH-D&O, SVOCs, PCBs, Pests, Herbs	1
4oz		RCRA metals	1

Field Screening Results

0-1	0.0	

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4	Project: 3503-ACE Site: ~~Algiers Canal~~
Sample I.D.: SD-3503ACE- 03a	
Date (YYMMDD): 08 - 10 - 14	
Time (HHMMSS): 11:17	
Top Depth: 4.5	0'
Bottom Depth:	1'
Matrix: Sediment	
Sample Qualifier: QA/QC/RB/CS	
Sample Type: SPLIT	
Sampler: W. Thompson	
Witness: R. Pumilia	
Contractor: None	
Remarks: Dark Grey Sand, Fine, Well Sorted, No Inclusions, No Odor, PS < 1mm	
Weather: P-Cloudy 80°F - NW 10mph, Dry	
Prepared by: [signature]	
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encores		VOCs, THP-G	4
8oz		TPH-D&O, SVOCs, PCBs, Pests, Herbs	1
4oz		RCRA metals	1

Field Screening Results

0-1	0.0	

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4	Project: 3503-ACE Site: ~~Algiers Canal~~
Sample I.D.: SD-3503ACE-04	
Date (YYMMDD): 08-10-14	
Time (HHMMSS): 11:50	
Top Depth: 6.5'	0'
Bottom Depth:	1'
Matrix: Sediment	
Sample Qualifier: QA/QC/RB/CS	
Sample Type:	
Sampler: W. Thompson	
Witness: R. Pumilia	
Contractor: None	
Remarks: Dark Grey Sand, Fine, Well Sorted, PS < 1mm, No Inclusions	
Weather: P-Cloudy, 80°F, NW 10mph, Dry	
Prepared by: [signature]	
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encores		VOCs, THP-G	4
8oz		TPH-D&O, SVOCs, PCBs, Pests, Herbs	1
4oz		RCRA metals	1

Field Screening Results

0-1	0.0	

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4	Project: 3503-ACE Site: ~~Algiers Canal~~
Sample I.D.: SD-3503ACE-05	
Date (YYMMDD): 08-10-14	
Time (HHMMSS): 12:02	
Top Depth: 8.75' 0'	
Bottom Depth: 1'	
Matrix: Sediment	
Sample Qualifier: QA/QC/RB/CS	
Sample Type:	
Sampler: Wendell Thompson	
Witness: Randy Pumilia	
Contractor: None	
Remarks:	
Dark Grey Sand	
Fine Pantic, Well Sorted,	
NO Inclusions, No Odor	
PS < 1 mm	
Weather: P-Cloudy, 80°F, NW 10mph, Dry	
Prepared by: [signature]	
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encores		VOCs, THP-G	4
8oz		TPH-D&O, SVOCs, PCBs, Pests, Herbs	1
4oz		RCRA metals	1

Field Screening Results

0-1	0.0	

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4	Project: 3503-ACE Site: ~~Algiers Canal~~
Sample I.D.: SD-3503ACE-06	
Date (YYMMDD): 08-10-14	
Time (HHMMSS): 12:36	
Top Depth: 6.25'	0'
Bottom Depth:	1'
Matrix: Sediment	
Sample Qualifier: QA/QC/RB/CS	
Sample Type:	
Sampler: Wendell Thompson	
Witness: Randy Pumilia	
Contractor: None	
Remarks:	
Dark Grey Sand, Fine,	
Well Sorted, No Inclusions,	
No Odor, PS < 1mm	
Weather: P-Cloudy, 85°F, NW 10mph,	
Dry	
Prepared by: [signature]	
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encores		VOCs, THP-G	4
8oz		TPH-D&O, SVOCs, PCBs, Pests, Herbs	1
4oz		RCRA metals	1

Field Screening Results

0-1	0.0	

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4	Project: 3503-ACE Site: ~~Algiers Canal~~
Sample I.D.: SD-3503ACE-07	
Date (YYMMDD): 08 - 10 - 14	
Time (HHMMSS): 12:54	
Top Depth: 4.25' 0'	
Bottom Depth: 1'	
Matrix: Sediment	
Sample Qualifier: QA/QC/RB/CS	
Sample Type:	
Sampler: W. Thompson	
Witness: R. Pumilia	
Contractor: None	
Remarks:	
Dark Gray Sand Fine, Well Sorted, No Inclusions, No Odor, PS <1mm	
Weather: P-Cloudy, 85°F, NW 10 mph, Dry	
Prepared by: [signature]	
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encores		VOCs, THP-G	4
8oz		TPH-D&O, SVOCs, PCBs, Pests, Herbs	1
4oz		RCRA metals	1

Field Screening Results

0-1	0.0	

Reagent Blank

~~SEDIMENT~~ SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4	Project: 3503-ACE Site: ~~Algiers Canal~~
Sample I.D.: W-3503ACE-RB-07-10-14-08	
Date (YYMMDD): 08 - 10 - 14	
Time (HHMMSS): 12:59	
Top Depth:	
Bottom Depth:	
Matrix: Water	
Sample Qualifier: QA/QC/RB/CS	
Sample Type: Reagent Blank	
Sampler: Wendell Thompson	
Witness: Randy Pumilia	
Contractor: None	
Remarks: Taken after sampling of D7, and before D8. Sample shoe 3x washed with alconox and rinsed with DI water before sampling.	
Weather: P-Cloudy, 85°F, Dry 10 mph Wind	
Prepared by:	
Checked by:	

17 Jars

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
40ml Vials		VOCs, THP-G	4
1 l glass		TPH-D&O,	3
500ml plastic		RCRA metals	1
500ml glass		PCBs, Pesticides	3
500ml glass		Herbicides	3
1 l glass		SVOCs	3

Field Screening Results

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4	Project: 3503-ACE Site: ~~Algiers Canal~~
Sample I.D.: SD-3503ACE-08	
Date (YYMMDD): 08-10-14	
Time (HHMMSS): 13:10	
Top Depth: 9.25 0'	
Bottom Depth: 1'	
Matrix: Sediment	
Sample Qualifier: QA/QC/RB/CS	
Sample Type:	
Sampler: Wendell Thompson	
Witness: Randy Pumilia	
Contractor: None	
Remarks: DK Grey Sand, Fine, Well Sorted, No Inclusions PS < 1mm, No Odor	
Weather: P-Cloudy, 85°F, Dry, 10mph NW	
Prepared by: [signature]	
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encores		VOCs, THP-G	4
8oz		TPH-D&O, SVOCs, PCBs, Pests, Herbs	1
4oz		RCRA metals	1

Field Screening Results

0-1'	0.0	

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4	Project: 3503-ACE Site: ~~Algiers Canal~~
Sample I.D.: SD-3503ACE-09	
Date (YYMMDD): 08-10-15	
Time (HHMMSS): 13:30	
Top Depth: 4.5'	0'
Bottom Depth:	1'
Matrix: Sediment	
Sample Qualifier: QA/QC/RB/~~CS~~	
Sample Type:	
Sampler: Wendell Thompson	
Witness: Randy Pumilia	
Contractor: None	
Remarks:	
Dark Grey Sand, Fine, Well Sorted,	
No Inclusions, PS < 1mm, No Odor	
Weather: 7-Cloudy, 85°F, NW 10mph,	
Dry	
Prepared by: [signature]	
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encores		VOCs, THP-G	4
8oz		TPH-D&O, SVOCs, PCBs, Pests, Herbs	1
4oz		RCRA metals	1

Field Screening Results

0-1'	0.0	

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4	Project: 3503-ACE Site: ~~Algiers Canal~~
Sample I.D.: SD-3503ACE-10 MS/MSD	
Date (YYMMDD): 08-10-14	
Time (HHMMSS): 13:43	
Top Depth: 5.75' 0'	
Bottom Depth: 1'	
Matrix: Sediment	
Sample Qualifier: QA/QC/RB/CS	
Sample Type:	
Sampler: Wendell Thompson	
Witness: Randy Pumilia	
Contractor: None	
Remarks: Dark Grey Sand, Well Sorted, No Inclusions, Fine, No Order, PS < 1mm,	
Weather: P-Cloudy, 85°F, 10mph NW, Dry	
Prepared by: Wendell Thompson	
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encores		VOCs, THP-G	~~4~~ 12
8oz		TPH-D&O, SVOCs, PCBs, Pests, Herbs	~~1~~ 3
4oz		RCRA metals	~~1~~ 3

Field Screening Results

0-1'	0.0	

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4	Project: 3503-ACE Site: ~~Algiers Canal~~
Sample I.D.: W-3503ACE-TB-10-14-08-	
Date (YYMMDD):	08-10-14
Time (HHMMSS):	14:30
Top Depth:	—
Bottom Depth:	—
Matrix:	Water
Sample Qualifier:	QA/QC/RB/CS
Sample Type:	Trip Blank
Sampler:	W. Thompson
Witness:	R. Pumilia
Contractor:	None
Remarks:	
Weather:	
Prepared by:	[signature]
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
40ml Vials		VOCs, THP-G	~~4~~ 2

Field Screening Results

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 4	Project: 3503-ACE Site: ~~Algiers Canal~~
Sample I.D.: W-3503ACE-FB-10-14-08-	
Date (YYMMDD): 08 - 10 - 14	
Time (HHMMSS): 14:35	
Top Depth: —	
Bottom Depth: —	
Matrix: Water	
Sample Qualifier: QA/QC/RB/CS	
Sample Type: Field Blank	
Sampler: W. Thompson	
Witness: R. Pumilia	
Contractor: None	
Remarks: Field Blank opened at 10:00 AM. Opened at every sample location and closed ~~at~~ during movement of the boat. Sealed at 14:35	
Weather: P-Cloudy, 85°F, Dry, 10 mph wind	
Prepared by: [signature]	
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
40ml Vials		VOCs, THP-G	4

Field Screening Results

Appendix B: Final Analytical Reports

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Case Narrative for:

MATERIALS MANAGEMENT GROUP, INC.

Certificate of Analysis Number:

08120637

Report To:		**Project Name:**	**3504ACE**
MATERIALS MANAGEMENT GROUP, INC.		**Site:**	**ALGIERS CANAL**
Karly Gibbs		**Site Address:**	
3520 GENERAL DEGAULLE DR.			
SUITE 3010		**PO Number:**	
NEW ORLEANS			
LA		**State:**	**Louisiana**
70114-		**State Cert. No.:**	**02048**
ph: (504) 368-0568	**fax:**	**Date Reported:**	**12/19/2008**

Matrix spike (MS) and matrix spike duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data for those samples spiked by the laboratory and may be applicable to other samples of similar matrix from the site. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group.

The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process. If insufficient sample is supplied for MS/MSD, a Laboratory Control Sample (LCS) and a Laboratory Control Sample Duplicate (LCSD) are reported with the analytical batch and serve as the batch quality control (QC).

Results are reported on a Wet Weight Basis unless otherwise noted in the sample unit field as -dry.

The collection of samples using encores, terracores or other field collection devices may result in inconsistent initial sample weights for the parent sample and MS/MSD samples.

The MS/MSD recovery and precision data are calculated based on detected spike concentrations that are adjusted for initial sample weights. As a result of the variability between initial sample weights, the calculated RPD may have increased bias.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

TOTAL NUMBER OF PAGES IN THIS REPORT: _____ PAGES

12/19/2008

Amy K. Jackson
Project Manager

Date

Test results meet all requirements of NELAC, unless specified in the narrative.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

MATERIALS MANAGEMENT GROUP, INC.

Certificate of Analysis Number:

08120637

Report To: **MATERIALS MANAGEMENT GROUP, INC.**
Karly Gibbs
3520 GENERAL DEGAULLE DR.
SUITE 3010
NEW ORLEANS
LA
70114-
ph: (504) 368-0568 **fax: (504) 368-8403**

Fax To:

Project Name: **3504ACE**
Site: **ALGIERS CANAL**
Site Address:

PO Number:
State: **Louisiana**
State Cert. No.: **02048**
Date Reported: **12/19/2008**

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
SD-3505ACE-11	08120637-01	Soil	12/15/2008 9:43:00 AM	12/16/2008 10:00:00 AM	271689,271690	☐
SD-3505ACE-12	08120637-02	Soil	12/15/2008 9:56:00 AM	12/16/2008 10:00:00 AM	271689,271690	☐
SD-3505ACE-13	08120637-03	Soil	12/15/2008 10:45:00 AM	12/16/2008 10:00:00 AM	271689,271690	☐
SD-3505ACE-13MS	08120637-03MS	Soil	12/15/2008 10:45:00 AM	12/16/2008 10:00:00 AM	271689,271690	☐
SD-3505ACE-13MSD	08120637-03MSD	Soil	12/15/2008 10:45:00 AM	12/16/2008 10:00:00 AM	271689,271690	☐
SD-3505ACE-14	08120637-04	Soil	12/15/2008 10:50:00 AM	12/16/2008 10:00:00 AM	271689,271690	☐
SD-3505ACE-15	08120637-05	Soil	12/15/2008 11:00:00 AM	12/16/2008 10:00:00 AM	271689,271690	☐
SD-3505ACE-15A	08120637-06	Soil	12/15/2008 11:00:00 AM	12/16/2008 10:00:00 AM	271689,271690	☐
SD-3505ACE-16	08120637-07	Soil	12/15/2008 11:05:00 AM	12/16/2008 10:00:00 AM	271689,271690	☐
SD-3505ACE-17	08120637-08	Soil	12/15/2008 11:30:00 AM	12/16/2008 10:00:00 AM	271689,271690	☐
SD-3505ACE-18	08120637-09	Soil	12/15/2008 11:35:00 AM	12/16/2008 10:00:00 AM	271689,271690	☐
W-3505ACE-12-15-8	08120637-10	Water	12/15/2008 11:40:00 AM	12/16/2008 10:00:00 AM	271689,271690	☐
SD-3505ACE-19	08120637-11	Soil	12/15/2008 12:05:00 PM	12/16/2008 10:00:00 AM	271689,271690	☐
SD-3505ACE-20	08120637-12	Soil	12/15/2008 12:15:00 PM	12/16/2008 10:00:00 AM	271689,271690	☐

12/19/2008
Date

Amy K. Jackson
Project Manager

Ron Benjamin
Laboratory Director

Tristan Davis
Quality Assurance Officer

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
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Client Sample ID: SD-3505ACE-11 **Collected:** 12/15/2008 9:43 **SPL Sample ID:** 08120637-01

Site: ALGIERS CANAL

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
N-HEXANE EXTRACTABLE MATERIAL (HEM)				**MCL**	**SW9071B**	**Units: %**	
N-Hexane Extractable Material (HEM)	0.025		0.0005	1	12/17/08 8:30	DB	2902889
RECAP DIESEL RANGE ORGANICS BY METHOD 8015B				**MCL**	**SW8015B**	**Units: mg/Kg**	
Diesel Range Organics (C10-C28)	16		3.3	1	12/18/08 7:45	DF	2903783
Surr: o-Terphenyl	58.3	%	35-145	1	12/18/08 7:45	DF	2903783

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	12/17/2008 8:21	JT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID: SD-3505ACE-12 **Collected:** 12/15/2008 9:56 **SPL Sample ID:** 08120637-02

Site: ALGIERS CANAL

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
N-HEXANE EXTRACTABLE MATERIAL (HEM)				**MCL**	**SW9071B**	**Units: %**	
N-Hexane Extractable Material (HEM)	0.01		0.0005	1	12/17/08 8:30	DB	2902890
RECAP DIESEL RANGE ORGANICS BY METHOD 8015B				**MCL**	**SW8015B**	**Units: mg/Kg**	
Diesel Range Organics (C10-C28)	14		3.3	1	12/18/08 8:04	DF	2903784
Surr: o-Terphenyl	70.7	%	35-145	1	12/18/08 8:04	DF	2903784

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	12/17/2008 8:21	JT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID: SD-3505ACE-13 **Collected:** 12/15/2008 10:45 **SPL Sample ID:** 08120637-03

Site: ALGIERS CANAL

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
N-HEXANE EXTRACTABLE MATERIAL (HEM)			**MCL**	**SW9071B**	**Units: %**		
N-Hexane Extractable Material (HEM)	0.003		0.0005	1	12/17/08 8:30	DB	2902891
RECAP DIESEL RANGE ORGANICS BY METHOD 8015B			**MCL**	**SW8015B**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	ND		3.3	1	12/18/08 8:24	DF	2903786
Surr: o-Terphenyl	39.7	%	35-145	1	12/18/08 8:24	DF	2903786

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	12/17/2008 8:21	JT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID: SD-3505ACE-14 **Collected:** 12/15/2008 10:50 **SPL Sample ID:** 08120637-04

Site: **ALGIERS CANAL**

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
N-HEXANE EXTRACTABLE MATERIAL (HEM)			**MCL**	**SW9071B**	**Units: %**		
N-Hexane Extractable Material (HEM)	ND		0.0005	1	12/17/08 8:30	DB	2902893
RECAP DIESEL RANGE ORGANICS BY METHOD 8015B			**MCL**	**SW8015B**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	ND		3.3	1	12/18/08 8:44	DF	2903787
Surr: o-Terphenyl	50.8	%	35-145	1	12/18/08 8:44	DF	2903787

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	12/17/2008 8:21	JT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID: SD-3505ACE-15 **Collected:** 12/15/2008 11:00 **SPL Sample ID:** 08120637-05

Site: ALGIERS CANAL

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
N-HEXANE EXTRACTABLE MATERIAL (HEM)				**MCL**	**SW9071B**	**Units: %**	
N-Hexane Extractable Material (HEM)	0.039		0.0005	1	12/17/08 8:30	DB	2902894
RECAP DIESEL RANGE ORGANICS BY METHOD 8015B				**MCL**	**SW8015B**	**Units: mg/Kg**	
Diesel Range Organics (C10-C28)	14		3.3	1	12/18/08 9:04	DF	2903788
Surr: o-Terphenyl	45.1	%	35-145	1	12/18/08 9:04	DF	2903788

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	12/17/2008 8:21	JT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID: SD-3505ACE-15A **Collected:** 12/15/2008 11:00 **SPL Sample ID:** 08120637-06

Site: ALGIERS CANAL

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
N-HEXANE EXTRACTABLE MATERIAL (HEM)				**MCL**	**SW9071B**	**Units: %**	
N-Hexane Extractable Material (HEM)	0.037		0.0005	1	12/17/08 8:30	DB	2902895
RECAP DIESEL RANGE ORGANICS BY METHOD 8015B				**MCL**	**SW8015B**	**Units: mg/Kg**	
Diesel Range Organics (C10-C28)	ND		3.3	1	12/18/08 9:24	DF	2903790
Surr: o-Terphenyl	36.3	%	35-145	1	12/18/08 9:24	DF	2903790

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	12/17/2008 8:21	JT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID: SD-3505ACE-16 **Collected:** 12/15/2008 11:05 **SPL Sample ID:** 08120637-07

Site: ALGIERS CANAL

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
N-HEXANE EXTRACTABLE MATERIAL (HEM)				**MCL**	**SW9071B**	**Units: %**	
N-Hexane Extractable Material (HEM)	0.019		0.0005	1	12/17/08 8:30	DB	2902896
RECAP DIESEL RANGE ORGANICS BY METHOD 8015B				**MCL**	**SW8015B**	**Units: mg/Kg**	
Diesel Range Organics (C10-C28)	32		3.3	1	12/18/08 9:44	DF	2903791
Surr: o-Terphenyl	57.0	%	35-145	1	12/18/08 9:44	DF	2903791

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	12/17/2008 8:21	JT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID: SD-3505ACE-17 **Collected:** 12/15/2008 11:30 **SPL Sample ID:** 08120637-08

Site: ALGIERS CANAL

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
N-HEXANE EXTRACTABLE MATERIAL (HEM)				**MCL**	**SW9071B**	**Units: %**	
N-Hexane Extractable Material (HEM)	0.022		0.0005	1	12/17/08 8:30	DB	2902897
RECAP DIESEL RANGE ORGANICS BY METHOD 8015B				**MCL**	**SW8015B**	**Units: mg/Kg**	
Diesel Range Organics (C10-C28)	24		3.3	1	12/18/08 11:28	DF	2903795
Surr: o-Terphenyl	65.1	%	35-145	1	12/18/08 11:28	DF	2903795

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	12/17/2008 8:21	JT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID: SD-3505ACE-18 **Collected:** 12/15/2008 11:35 **SPL Sample ID:** 08120637-09

Site: ALGIERS CANAL

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
N-HEXANE EXTRACTABLE MATERIAL (HEM)				**MCL**	**SW9071B**	**Units: %**	
N-Hexane Extractable Material (HEM)	0.007		0.0005	1	12/17/08 8:30	DB	2902898
RECAP DIESEL RANGE ORGANICS BY METHOD 8015B				**MCL**	**SW8015B**	**Units: mg/Kg**	
Diesel Range Organics (C10-C28)	ND		3.3	1	12/18/08 11:50	DF	2903796
Surr: o-Terphenyl	44.7	%	35-145	1	12/18/08 11:50	DF	2903796

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	12/17/2008 8:21	JT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID: W-3505ACE-12-15-8 **Collected:** 12/15/2008 11:40 **SPL Sample ID:** 08120637-10

Site: ALGIERS CANAL

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
N-HEXANE EXTRACTABLE MATERIAL (HEM; OIL & GREASE)			**MCL**		**E1664A**	**Units: mg/L**	
n-Hexane Extractable Material	ND		5	1	12/17/08 8:30	DB	2901316
RECAP DIESEL RANGE ORGANICS BY METHOD 8015B			**MCL**		**SW8015B**	**Units: mg/L**	
Diesel Range Organics (C10-C28)	ND		0.1	1	12/17/08 21:40	E_G	2902130
Surr: o-Terphenyl	86.5	%	21-128	1	12/17/08 21:40	E_G	2902130

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3511	12/17/2008 16:36	DGP	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID: SD-3505ACE-19 **Collected:** 12/15/2008 12:05 **SPL Sample ID:** 08120637-11

Site: **ALGIERS CANAL**

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
N-HEXANE EXTRACTABLE MATERIAL (HEM)			**MCL**	**SW9071B**	**Units: %**		
N-Hexane Extractable Material (HEM)	0.04		0.0005	1	12/17/08 8:30	DB	2902899
RECAP DIESEL RANGE ORGANICS BY METHOD 8015B			**MCL**	**SW8015B**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	44		3.3	1	12/18/08 12:11	DF	2903797
Surr: o-Terphenyl	61.3	%	35-145	1	12/18/08 12:11	DF	2903797

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	12/17/2008 8:21	JT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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Client Sample ID: SD-3505ACE-20 **Collected:** 12/15/2008 12:15 **SPL Sample ID:** 08120637-12

Site: **ALGIERS CANAL**

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
N-HEXANE EXTRACTABLE MATERIAL (HEM)			**MCL**	**SW9071B**	**Units: %**		
N-Hexane Extractable Material (HEM)	0.04		0.0005	1	12/17/08 14:00	DB	2902902
RECAP DIESEL RANGE ORGANICS BY METHOD 8015B			**MCL**	**SW8015B**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	16		3.3	1	12/18/08 12:31	DF	2903799
Surr: o-Terphenyl	51.3	%	35-145	1	12/18/08 12:31	DF	2903799

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	12/17/2008 8:21	JT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

Quality Control Documentation

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3504ACE

Analysis: **RECAP Diesel Range Organics by Method 8015B** **WorkOrder:** **08120637**
Method: **SW8015B** **Lab Batch ID:** **75733**

Method Blank

RunID: TPHB_081216C-2903771 Units: mg/Kg
Analysis Date: 12/17/2008 12:44 Analyst: DF
Preparation Date: 12/17/2008 8:21 Prep By: JT Method: SW3550B

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	3.3
Surr: o-Terphenyl	133.8	35-145

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08120637-01A	SD-3505ACE-11
08120637-02A	SD-3505ACE-12
08120637-03A	SD-3505ACE-13
08120637-04A	SD-3505ACE-14
08120637-05A	SD-3505ACE-15
08120637-06A	SD-3505ACE-15A
08120637-07A	SD-3505ACE-16
08120637-08A	SD-3505ACE-17
08120637-09A	SD-3505ACE-18
08120637-11A	SD-3505ACE-19
08120637-12A	SD-3505ACE-20

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: TPHB_081216C-2903772 Units: mg/Kg
Analysis Date: 12/17/2008 13:04 Analyst: DF
Preparation Date: 12/17/2008 8:21 Prep By: JT Method: SW3550B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Diesel Range Organics (C10-C28)	100	85.2	85.2	100	88.3	88.3	3.6	39	40	105
Surr: o-Terphenyl	1.67	1.86	112	1.67	1.83	110	2.0	30	35	145

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 08120637-03
RunID: TPHB_081216C-2903780 Units: mg/Kg
Analysis Date: 12/18/2008 7:05 Analyst: DF
Preparation Date: 12/17/2008 8:21 Prep By: JT Method: SW3550B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Diesel Range Organics (C10-C28)	ND	100	80.0	77.6	100	79.7	77.3	0.404	39	25	107
Surr: o-Terphenyl	ND	1.67	1.27	75.9	1.67	1.23	73.9	2.66	30	35	145

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3504ACE

Analysis: **RECAP Diesel Range Organics by Method 8015B** **WorkOrder:** **08120637**
Method: **SW8015B** **Lab Batch ID:** **75757**

Method Blank

RunID: TPHC_081217A-2902127 Units: mg/L
Analysis Date: 12/17/2008 20:42 Analyst: E_G
Preparation Date: 12/17/2008 16:36 Prep By: DGP Method: SW3511

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08120637-10A	W-3505ACE-12-15-8

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	0.10
Surr: o-Terphenyl	106.3	21-128

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: TPHC_081217A-2902128 Units: mg/L
Analysis Date: 12/17/2008 21:01 Analyst: E_G
Preparation Date: 12/17/2008 16:36 Prep By: DGP Method: SW3511

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Diesel Range Organics (C10-C28)	6.00	5.07	84.5	6.00	5.02	83.6	1.1	37	46	121
Surr: o-Terphenyl	0.100	0.107	107	0.100	0.104	104	2.4	30	21	128

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3504ACE

Analysis: **N-Hexane Extractable Material (HEM; Oil & Grease)** **WorkOrder:** **08120637**
Method: **E1664A** **Lab Batch ID:** **R194565**

Method Blank

RunID: WET_081217K-2901297 Units: mg/L
Analysis Date: 12/17/2008 8:30 Analyst: DB

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08120637-10B	W-3505ACE-12-15-8

Analyte	Result	Rep Limit
n-Hexane Extractable Material	ND	5.0

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: WET_081217K-2901298 Units: mg/L
Analysis Date: 12/17/2008 8:30 Analyst: DB

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
n-Hexane Extractable Material	40.00	37.00	92.50	40.00	34.00	85.00	8.5	20	78	114

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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SCOTT, LA 70583
(337) 237-4775

Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3504ACE

Analysis: **N-Hexane Extractable Material (HEM)** **WorkOrder:** **08120637**
Method: **SW9071B** **Lab Batch ID:** **R194657**

Method Blank

RunID: WET_081217X-2902887 Units: %
Analysis Date: 12/17/2008 8:30 Analyst: DB

Analyte	Result	Rep Limit
N-Hexane Extractable Material (HEM)	ND	0.00050

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08120637-01A	SD-3505ACE-11
08120637-02A	SD-3505ACE-12
08120637-03A	SD-3505ACE-13
08120637-04A	SD-3505ACE-14
08120637-05A	SD-3505ACE-15
08120637-06A	SD-3505ACE-15A
08120637-07A	SD-3505ACE-16
08120637-08A	SD-3505ACE-17
08120637-09A	SD-3505ACE-18
08120637-11A	SD-3505ACE-19

Laboratory Control Sample (LCS)

RunID: WET_081217X-2902888 Units: %
Analysis Date: 12/17/2008 8:30 Analyst: DB

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
N-Hexane Extractable Material (HEM)	0.2000	0.1970	98.50	75	125

Sample Duplicate

Original Sample: 08120637-03
RunID: WET_081217X-2902891 Units: %
Analysis Date: 12/17/2008 8:30 Analyst: DB

Analyte	Sample Result	DUP Result	RPD	RPD Limit
N-Hexane Extractable Material (HEM)	0.003	0.003	0	20

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

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SCOTT, LA 70583
(337) 237-4775

Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3504ACE

Analysis: **N-Hexane Extractable Material (HEM)** **WorkOrder:** **08120637**
Method: **SW9071B** **Lab Batch ID:** **R194658**

Method Blank

RunID: WET_081217Y-2902900 Units: %
Analysis Date: 12/17/2008 14:00 Analyst: DB

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
08120637-12A	SD-3505ACE-20

Analyte	Result	Rep Limit
N-Hexane Extractable Material (HEM)	ND	0.00050

Laboratory Control Sample (LCS)

RunID: WET_081217Y-2902901 Units: %
Analysis Date: 12/17/2008 14:00 Analyst: DB

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
N-Hexane Extractable Material (HEM)	0.2000	0.1850	92.50	75	125

Sample Duplicate

Original Sample: 08120637-12
RunID: WET_081217Y-2902902 Units: %
Analysis Date: 12/17/2008 14:00 Analyst: DB

Analyte	Sample Result	DUP Result	RPD	RPD Limit
N-Hexane Extractable Material (HEM)	0.04	0.04	0	20

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

Sample Receipt Checklist

And

Chain of Custody

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Sample Receipt Checklist

Workorder:	**08120637**	Received By:	**JM**
Date and Time Received:	**12/16/2008 10:00:00 AM**	Carrier name:	**FedEx-Std 1 Day PM**
Temperature:	**3.5°C**	Chilled by:	**Water Ice**

1.	**Shipping container/cooler in good condition?**	Yes ☑	No ☐	Not Present ☐
2.	**Custody seals intact on shippping container/cooler?**	Yes ☑	No ☐	Not Present ☐
3.	**Custody seals intact on sample bottles?**	Yes ☐	No ☐	Not Present ☑
4.	**Chain of custody present?**	Yes ☑	No ☐	
5.	**Chain of custody signed when relinquished and received?**	Yes ☑	No ☐	
6.	**Chain of custody agrees with sample labels?**	Yes ☑	No ☐	
7.	**Samples in proper container/bottle?**	Yes ☑	No ☐	
8.	**Sample containers intact?**	Yes ☑	No ☐	
9.	**Sufficient sample volume for indicated test?**	Yes ☑	No ☐	
10.	**All samples received within holding time?**	Yes ☑	No ☐	
11.	**Container/Temp Blank temperature in compliance?**	Yes ☑	No ☐	
12.	**Water - VOA vials have zero headspace?**	Yes ☑	No ☐	VOA Vials Not Present ☐
13.	**Water - Preservation checked upon receipt (except VOA*)?**	Yes ☑	No ☐	Not Applicable ☐

***VOA Preservation Checked After Sample Analysis**

SPL Representative: _____ **Contact Date & Time:** _____

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 271689

08120637

page 1 of 2

Client Name: Materials Management Group, Inc
Address: 3520 General De Gaulle Dr., #3010, NOLA
Phone/Fax: (504) 368-0568 (504) 368-8403
Client Contact: Karly Gibbs Email: karly.bbs@mmgnola.com
Project Name/No.: Algiers Canal Sediment Add. Sampling 3504ACE
Site Name: Algiers Canal
Site Location: Algiers Canal, Plaquemines & Jefferson
Invoice To: Mimi Lo Ph: (504) 368-0568

matrix: W=water S=soil O=oil SL=sludge X=other
bottle: P=plastic A=amber glass G=glass V=vial X=other
size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other
pres.: 1=HCl 2=HNO3 3=H2SO4 X=other

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	TPH-D	Oil & Grease	MS / MSD							
SD-3505ACE-11	12-15-08	9:43		X	S	G	4oz		1	X	X								1
SD-3505ACE-12		9:56		X					1	X	X								1
SD-3505ACE-13		10:45		X					3	X	X	X							3
SD-3505ACE-14		10:50		X					1	X	X								1
SD-3505ACE-15		11:00		X					1	X	X								1
SD-3505ACE-15a		11:00		X					1	X	X								1
SD-3505ACE-16		11:05		X					1	X	X								1
SD-3505ACE-17		11:30		X					1	X	X								1
SD-3505ACE-18		11:35		X					1	X	X								1
W-3505ACE-12-15-08		11:40		X	W	G,V	X,X	1	5	X	X								5

Client/Consultant Remarks: RECAP Limits

Laboratory remarks: CS/cooler 1 cooler BW21-12 RS-25-W3 (2)

Intact? Y N
Ice? TS2 Y N
Temp: 3.5

PM review (initial):

Special Detection Limits (specify):

Requested TAT: Contract ☐ 72hr ☐ 24hr ☒ Standard ☐ 48hr ☐ Other ☐ RUSH

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☒

	date	time		date	time
1. Relinquished by Sampler:	12-15-08	15:00	2. Received by:		
3. Relinquished by:	12/16/08	900	4. Received by:		
5. Relinquished by:	12/16/08	1000	6. Received by Laboratory:		

☐ 8880 Interchange Drive Houston, TX 77054 (713) 660-0901
☐ 500 Ambassador Caffery Parkway Scott, LA 70583 (337) 237-4775
☐ 459 Hughes Drive Traverse City, MI 49686 (231) 947-5777

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 271690

page 2 of 2

Client Name: Materials Management Group, Inc
Address: 3520 General De Gaulle Dr. #3010, NO, LA
Phone/Fax: (504) 368-0568 (504) 368-8403
Client Contact: Karly Gibbs Email: karlyg.bbs@mmgnola.com
Project Name/No.: Algiers Canal Sediment Add. Sampling 3504ACE
Site ~~Name~~ Location: Algiers Canal, Plaquemines & Jefferson
Site ~~Location~~ Name: Algiers Canal
Invoice To: Mimi Lo Ph: (504) 368-0568

matrix: W=water S=soil O=oil SL=sludge X=other
bottle: P=plastic A=amber glass G=glass V=vial X=other
size: 1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other
pres.: 1=HCl 2=HNO3 3=H2SO4 X=other

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	TPH-D	Oil & Grease								
SD-3505ACE-19	12-15-08	12:05		X	S	G	4oz		1	X	X								1
SD-3505ACE-20	12-15-08	12:15		X	S	G	4oz		1	X	X								1

Client/Consultant Remarks: RECAP Limits

Laboratory remarks:

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp: 3.5

Requested TAT

Contract ☐ 72hr ☐
24hr ☒ Standard ☐
48hr ☐ ☒ RUSH
Other ☐ _____

Special Reporting Requirements Results: Fax ☐ Email ☐ PDF ☐
Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐ TX TRRP ☐ LA RECAP ☒

Special Detection Limits (specify):

PM review (initial):

1. Relinquished by Sampler: [signature]	date 12-15-08	time 15:00	2. Received by: [signature]
3. Relinquished by: [signature]	date 12/16/08	time 900	4. Received by:
5. Relinquished by:	date 12/16/08	time 1000	6. Received by Laboratory: [signature]

FedEx Express — *US Airbill*

FedEx Tracking Number 8531 4438 4086

Recipient's Copy

1 From

Date

Sender's Name — Phone

Company

Address — Dept./Floor/Suite/Room

City — State — ZIP

2 Your Internal Billing Reference

3 To

Recipient's Name — Phone

Company

Recipient's Address — Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

To request a package be held at a specific FedEx location, print FedEx address here.

City — State — ZIP

8531 4438 4086

4a Express Package Service — *Packages up to 150 lbs.* *To most locations

- FedEx Priority Overnight — Next business morning*
- [X] FedEx Standard Overnight — Next business afternoon*
- FedEx First Overnight — Earliest next business morning delivery to select locations*
- FedEx 2Day — Second business day*
- FedEx Express Saver — Third business day*

FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service — *Packages over 150 lbs.* *To most locations

- FedEx 1Day Freight** — Next business day**
- FedEx 2Day Freight — Second business day**
- FedEx 3Day Freight — Third business day**

* Call for Confirmation:

5 Packaging — * Declared value less $500

- FedEx Envelope*
- FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- FedEx Box
- FedEx Tube
- [X] Other

6 Special Handling — Include FedEx address in Section 3.

- SATURDAY Delivery — Available ONLY for FedEx Priority Overnight, FedEx 2Day, FedEx 1Day Freight, and FedEx 2Day Freight to select ZIP codes
- HOLD Weekday at FedEx Location — Not available for FedEx First Overnight
- HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

- [X] No
- Yes — As per attached Shipper's Declaration
- Yes — Shipper's Declaration not required
- Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- Cargo Aircraft Only

Dangerous goods (including Dry Ice) cannot be shipped in FedEx packaging.

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

- Sender — Acct. No. in Section 1 will be billed.
- [X] Recipient
- Third Party
- Credit Card
- Obtain Recip. Acct. No.
- Cash/Check

Total Packages	Total Weight	Total Declared Value†	Total Charges
	10	$ .00	Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See back for details.

8 Sign to Authorize Delivery Without a Signature

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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or call 1.800.GoFedEx 1.800.463.3339.

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Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

November 05, 2008

Karly Gibbs
Materials Management Group
3520 General DaGaulle
Suite 3010
New Orleans, LA 70114

RE: Project 2087367
Project ID: ALGIERS CANAL DREDGING P- II

Dear Karly Gibbs:

Enclosed are the analytical results for sample(s) received by the laboratory on October 15, 2008. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerly,

Cindy Olavesen
cindy.olavesen@pacelabs.com

REPORT OF LABORATORY ANALYSIS

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the written consent of Pace Analytical Services, Inc.

Laboratory Certifications

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 2087367

Client: Materials Management Group

Project ID: ALGIERS CANAL DREDGING P- II

Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

Louisiana Dept. of Health and Hospitals (NELAC) LA080013

Florida Department of Health (NELAC) E87595

Kansas Department of Health and Environment (NELAC) E-10266

Texas Commission on Env. Quality (NELAC) T104704405-08-TX

Pennsylviania Dept. of Env Protection (NELAC) 68-04202

U.S. Dept. of Agriculture Foreign Soil Import S-47270

REPORT OF LABORATORY ANALYSIS

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Sample Cross Reference

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 2087367

Client: Materials Management Group

Project ID: ALGIERS CANAL DREDGING P- II

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
SD-3503ACE-01	20645515	Soil	15-Oct-08 10:37	15-Oct-08 17:20
SD-3503ACE-02	20645516	Soil	15-Oct-08 11:04	15-Oct-08 17:20
SD-3503ACE-03	20645517	Soil	15-Oct-08 11:17	15-Oct-08 17:20
SD-3503ACE-04	20645518	Soil	15-Oct-08 11:50	15-Oct-08 17:20
SD-3503ACE-05	20645519	Soil	15-Oct-08 12:02	15-Oct-08 17:20
SD-3503ACE-06	20645520	Soil	15-Oct-08 12:36	15-Oct-08 17:20
SD-3503ACE-07	20645521	Soil	15-Oct-08 12:54	15-Oct-08 17:20
SD-3503ACE-08	20645522	Soil	15-Oct-08 13:10	15-Oct-08 17:20
SD-3503ACE-09	20645523	Soil	15-Oct-08 13:30	15-Oct-08 17:20
SD-3503ACE-10	20645524	Soil	15-Oct-08 13:43	15-Oct-08 17:20
SD-3503ACE-03A	20645525	Soil	15-Oct-08 11:17	15-Oct-08 17:20
W-3503ACE-RB-07-10-14-08	20645526	Water	15-Oct-08 12:59	15-Oct-08 17:20
W-3503ACE-TB-10-14-08	20645529	Water	15-Oct-08 14:30	15-Oct-08 17:20
W-3503ACE-FB-10-14-08	20645530	Water	15-Oct-08 14:35	15-Oct-08 17:20

Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 2087367

Narrative detail for GC semi-volatiles analyses:

Sample 20645520 yielded low surrogate recoveries and was therefore re-extracted (one day past holding time limit). Re-analysis recoveries were within QC limits. Both sets of results were included in the report.

Narrative detail for GC/MS semi-volatiles analyses:

Sample 20645524 and the designated QC samples yielded erratic surrogate recoveries and were therefore re-extracted. The re-analyses again yielded erratic recoveries, indicating the problem was matrix-related.

Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 2087367

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

The following holding times were exceeded. See the previous page for a detailed explanation:

Sample 20645520 analysis 3546TPH TPH Soil MWave

Blanks:

All blank results were below reporting limits.

Laboratory Control Samples:

LCS recoveries outside of QC limits are qualified in the Report of Quality Control section.

Matrix Spikes and Duplicates:

MS or MSD recoveries outside of QC limits are qualified in the Report of Quality Control section.

Surrogates:

Surrogate recoveries outside of QC limits are qualified in the surrogate results section.

Regulatory, Permit or Client Specified Limits:

70 results were found that exceeded regulatory, permit or client specified limits.

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 2087367

Analytical Method	Batch	Sample used for QC
EPA 8081	108750	Project sample SD-3503ACE-10
EPA 8082	108751	Project sample SD-3503ACE-10
EPA 8151	108752	Project sample SD-3503ACE-10
EPA 8015 Mod Ext	108808	Project sample SD-3503ACE-10
EPA 8015 Mod Ext	109481	Project sample SD-3503ACE-06
EPA 8015/8021	108768	Project sample SD-3503ACE-10
EPA 6010	108779	Project sample SD-3503ACE-10
EPA 6010	108959	Batch sample from another client
EPA 7471	108780	Project sample SD-3503ACE-10
EPA 7470	108956	Project sample W-3503ACE-RB-07-10-14-08
EPA 8270	108753	Project sample SD-3503ACE-10
EPA 8270	109005	Project sample SD-3503ACE-10
EPA 8260	108854	Batch sample from another client
EPA 8260	109090	Project sample SD-3503ACE-10

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from the a different client was used.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-01
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645515
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108753
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
83-32-9	Acenaphthene	1		ND	0.330	220.	17-Oct-08 19:59 JAM
208-96-8	Acenaphthylene	1		ND	0.330	88.0	17-Oct-08 19:59 JAM
62-53-3	Aniline	1		ND	0.330	0.0650	17-Oct-08 19:59 JAM
120-12-7	Anthracene	1		ND	0.330	120.	17-Oct-08 19:59 JAM
56-55-3	Benzo(a)anthracene	1		ND	0.330	0.620	17-Oct-08 19:59 JAM
205-99-2	Benzo(b)fluoranthene	1		ND	0.330	0.620	17-Oct-08 19:59 JAM
207-08-9	Benzo(k)fluoranthene	1		ND	0.330	6.20	17-Oct-08 19:59 JAM
50-32-8	Benzo(a)pyrene	1		ND	0.330	0.330	17-Oct-08 19:59 JAM
92-52-4	Biphenyl (Diphenyl)	1		ND	0.330	190.	17-Oct-08 19:59 JAM
85-68-7	Butylbenzylphthalate	1		ND	0.330	220.	17-Oct-08 19:59 JAM
88-85-7	Dinoseb	1		ND	0.330	0.140	17-Oct-08 19:59 JAM
106-47-8	3&4-Chloroaniline	1		ND	0.330	1.50	17-Oct-08 19:59 JAM
111-44-4	bis(2-Chloroethyl) ether	1		ND	0.330	0.330	17-Oct-08 19:59 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1		ND	0.330	0.800	17-Oct-08 19:59 JAM
91-58-7	2-Chloronaphthalene	1		ND	0.330	500.	17-Oct-08 19:59 JAM
95-57-8	2-Chlorophenol	1		ND	0.330	1.40	17-Oct-08 19:59 JAM
218-01-9	Chrysene	1		ND	0.330	62.0	17-Oct-08 19:59 JAM
53-70-3	Dibenz(a,h)anthracene	1		ND	0.330	0.330	17-Oct-08 19:59 JAM
132-64-9	Dibenzofuran	1		ND	0.330	24.0	17-Oct-08 19:59 JAM
95-50-1	1,2-Dichlorobenzene	1		ND	0.330	29.0	17-Oct-08 19:59 JAM
541-73-1	1,3-Dichlorobenzene	1		ND	0.330	2.10	17-Oct-08 19:59 JAM
106-46-7	1,4-Dichlorobenzene	1		ND	0.330	5.70	17-Oct-08 19:59 JAM
91-94-1	3,3'-Dichlorobenzidine	1		ND	0.667	0.970	17-Oct-08 19:59 JAM
120-83-2	2,4-Dichlorophenol	1		ND	0.330	12.0	17-Oct-08 19:59 JAM
84-66-2	Diethylphthalate	1		ND	0.330	360.	17-Oct-08 19:59 JAM
105-67-9	2,4-Dimethylphenol	1		ND	0.330	20.0	17-Oct-08 19:59 JAM
131-11-3	Dimethylphthalate	1		ND	0.330	1500	17-Oct-08 19:59 JAM
99-65-0	1,3-Dinitrobenzene	1		ND	0.330	0.250	17-Oct-08 19:59 JAM
51-28-5	2,4-Dinitrophenol	1		ND	0.330	1.70	17-Oct-08 19:59 JAM
121-14-2	2,4-Dinitrotoluene	1		ND	0.330	1.00	17-Oct-08 19:59 JAM
606-20-2	2,6-Dinitrotoluene	1		ND	0.330	0.390	17-Oct-08 19:59 JAM
117-84-0	Di-n-octylphthalate	1		ND	0.330	240.	17-Oct-08 19:59 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	A25	ND	0.330	35.0	17-Oct-08 19:59 JAM

Protocol 11/5/2008 13:28:36

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-01
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645515
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108753
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
206-44-0	Fluoranthene	1		ND	0.330	220.	17-Oct-08 19:59 JAM
86-73-7	Fluorene	1		ND	0.330	230.	17-Oct-08 19:59 JAM
118-74-1	Hexachlorobenzene	1		ND	0.330	0.340	17-Oct-08 19:59 JAM
87-68-3	Hexachloro-1,3-butadiene	1		ND	0.330	0.820	17-Oct-08 19:59 JAM
77-47-4	Hexachlorocyclopentadiene	1		ND	0.330	1.40	17-Oct-08 19:59 JAM
67-72-1	Hexachloroethane	1		ND	0.330	2.20	17-Oct-08 19:59 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1		ND	0.330	0.620	17-Oct-08 19:59 JAM
78-59-1	Isophorone	1		ND	0.330	0.560	17-Oct-08 19:59 JAM
91-57-6	2-Methylnaphthalene	1		ND	0.330	1.70	17-Oct-08 19:59 JAM
91-20-3	Naphthalene	1		ND	0.330	1.50	17-Oct-08 19:59 JAM
88-74-4	2-Nitroaniline	1		ND	0.330	1.70	17-Oct-08 19:59 JAM
99-09-2	3-Nitroaniline	1		ND	0.330	1.70	17-Oct-08 19:59 JAM
100-01-6	4-Nitroaniline	1		ND	0.330	1.70	17-Oct-08 19:59 JAM
98-95-3	Nitrobenzene	1		ND	0.330	0.330	17-Oct-08 19:59 JAM
100-02-7	4-Nitrophenol	1		ND	0.330	2.60	17-Oct-08 19:59 JAM
621-64-7	N-Nitroso-di-n-propylamine	1		ND	0.330	0.330	17-Oct-08 19:59 JAM
86-30-6	N-Nitrosodiphenylamine	1	A10	ND	0.330	2.10	17-Oct-08 19:59 JAM
87-86-5	Pentachlorophenol	1		ND	0.330	1.70	17-Oct-08 19:59 JAM
85-01-8	Phenanthrene	1		ND	0.330	660.	17-Oct-08 19:59 JAM
108-95-2	Phenol	1		ND	0.330	11.0	17-Oct-08 19:59 JAM
129-00-0	Pyrene	1		ND	0.330	230.	17-Oct-08 19:59 JAM
95-94-3	1,2,4,5-Tetrachlorobenzene	1		ND	0.330	1.20	17-Oct-08 19:59 JAM
58-90-2	2,3,4,6-Tetrachlorophenol	1		ND	0.330	31.0	17-Oct-08 19:59 JAM
95-95-4	2,4,5-Trichlorophenol	1		ND	0.330	320.	17-Oct-08 19:59 JAM
88-06-2	2,4,6-Trichlorophenol	1		ND	0.330	1.30	17-Oct-08 19:59 JAM

58 compound(s) reported

Protocol 11/5/2008 13:28:36

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-01
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645515
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
67-64-1	Acetone	1	A11	0.0657	0.0139	1.50	23-Oct-08 12:03 RMP
71-43-2	Benzene	1		ND	0.00694	0.0510	23-Oct-08 12:03 RMP
75-27-4	Bromodichloromethane	1		ND	0.00694	0.920	23-Oct-08 12:03 RMP
75-25-2	Bromoform	1		ND	0.00694	1.80	23-Oct-08 12:03 RMP
74-83-9	Bromomethane	1		ND	0.00694	0.0400	23-Oct-08 12:03 RMP
78-93-3	2-Butanone (MEK)	1	A11	ND	0.0139	5.00	23-Oct-08 12:03 RMP
75-15-0	Carbon disulfide	1		0.0158	0.00694	11.0	23-Oct-08 12:03 RMP
56-23-5	Carbon tetrachloride	1		ND	0.00694	0.110	23-Oct-08 12:03 RMP
108-90-7	Chlorobenzene	1		ND	0.00694	3.00	23-Oct-08 12:03 RMP
75-00-3	Chloroethane	1		ND	0.00694	0.0350	23-Oct-08 12:03 RMP
67-66-3	Chloroform	1		ND	0.00694	0.0440	23-Oct-08 12:03 RMP
74-87-3	Chloromethane	1		ND	0.00694	0.100	23-Oct-08 12:03 RMP
124-48-1	Dibromochloromethane	1		ND	0.00694	1.00	23-Oct-08 12:03 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1		ND	0.00694	0.0100	23-Oct-08 12:03 RMP
75-34-3	1,1-Dichloroethane	1		ND	0.00694	7.50	23-Oct-08 12:03 RMP
107-06-2	1,2-Dichloroethane	1		ND	0.00694	0.0350	23-Oct-08 12:03 RMP
75-35-4	1,1-Dichloroethene	1		ND	0.00694	0.0850	23-Oct-08 12:03 RMP
156-59-2	cis-1,2-Dichloroethene	1		ND	0.00694	0.490	23-Oct-08 12:03 RMP
156-60-5	trans-1,2-Dichloroethene	1		ND	0.00694	0.770	23-Oct-08 12:03 RMP
78-87-5	1,2-Dichloropropane	1		ND	0.00694	0.0420	23-Oct-08 12:03 RMP
10061-01-5	cis-1,3-Dichloropropene	1		ND	0.00694	0.0400	23-Oct-08 12:03 RMP
10061-02-6	trans-1,3-Dichloropropene	1		ND	0.00694	0.0400	23-Oct-08 12:03 RMP
100-41-4	Ethylbenzene	1		ND	0.00694	19.0	23-Oct-08 12:03 RMP
1634-04-4	Methyl-tert-butyl ether	1		ND	0.00694	0.0770	23-Oct-08 12:03 RMP
75-09-2	Methylene chloride	1	A11	ND	0.00694	0.0170	23-Oct-08 12:03 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1		ND	0.0139	6.40	23-Oct-08 12:03 RMP
78-83-1	Isobutanol	1		ND	0.347	30.0	23-Oct-08 12:03 RMP
100-42-5	Styrene	1		ND	0.00694	11.0	23-Oct-08 12:03 RMP
630-20-6	1,1,1,2-Tetrachloroethane	1		ND	0.00694	0.0460	23-Oct-08 12:03 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1		ND	0.00694	0.00600	23-Oct-08 12:03 RMP
127-18-4	Tetrachloroethene	1		ND	0.00694	0.180	23-Oct-08 12:03 RMP
108-88-3	Toluene	1		ND	0.00694	20.0	23-Oct-08 12:03 RMP
120-82-1	1,2,4-Trichlorobenzene	1		ND	0.00694	14.0	23-Oct-08 12:03 RMP

Protocol 11/5/2008 13:28:36

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-01
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645515
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
71-55-6	1,1,1-Trichloroethane	1		ND	0.00694	4.00	23-Oct-08 12:03 RMP
79-00-5	1,1,2-Trichloroethane	1		ND	0.00694	0.0580	23-Oct-08 12:03 RMP
79-01-6	Trichloroethene	1		ND	0.00694	0.0730	23-Oct-08 12:03 RMP
75-69-4	Trichlorofluoromethane	1		ND	0.00694	37.0	23-Oct-08 12:03 RMP
75-01-4	Vinyl chloride	1		ND	0.00278	0.0130	23-Oct-08 12:03 RMP
	m&p-Xylene	1		ND	0.00694	18.0	23-Oct-08 12:03 RMP
95-47-6	o-Xylene	1		ND	0.00694	18.0	23-Oct-08 12:03 RMP

40 compound(s) reported

Protocol 11/5/2008 13:28:36

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MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-02
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645516
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108753
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
83-32-9	Acenaphthene	1		ND	0.330	220.	17-Oct-08 20:27 JAM
208-96-8	Acenaphthylene	1		ND	0.330	88.0	17-Oct-08 20:27 JAM
62-53-3	Aniline	1		ND	0.330	0.0650	17-Oct-08 20:27 JAM
120-12-7	Anthracene	1		ND	0.330	120.	17-Oct-08 20:27 JAM
56-55-3	Benzo(a)anthracene	1		ND	0.330	0.620	17-Oct-08 20:27 JAM
205-99-2	Benzo(b)fluoranthene	1		ND	0.330	0.620	17-Oct-08 20:27 JAM
207-08-9	Benzo(k)fluoranthene	1		ND	0.330	6.20	17-Oct-08 20:27 JAM
50-32-8	Benzo(a)pyrene	1		ND	0.330	0.330	17-Oct-08 20:27 JAM
92-52-4	Biphenyl (Diphenyl)	1		ND	0.330	190.	17-Oct-08 20:27 JAM
85-68-7	Butylbenzylphthalate	1		ND	0.330	220.	17-Oct-08 20:27 JAM
88-85-7	Dinoseb	1		ND	0.330	0.140	17-Oct-08 20:27 JAM
106-47-8	3&4-Chloroaniline	1		ND	0.330	1.50	17-Oct-08 20:27 JAM
111-44-4	bis(2-Chloroethyl) ether	1		ND	0.330	0.330	17-Oct-08 20:27 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1		ND	0.330	0.800	17-Oct-08 20:27 JAM
91-58-7	2-Chloronaphthalene	1		ND	0.330	500.	17-Oct-08 20:27 JAM
95-57-8	2-Chlorophenol	1		ND	0.330	1.40	17-Oct-08 20:27 JAM
218-01-9	Chrysene	1		ND	0.330	62.0	17-Oct-08 20:27 JAM
53-70-3	Dibenz(a,h)anthracene	1		ND	0.330	0.330	17-Oct-08 20:27 JAM
132-64-9	Dibenzofuran	1		ND	0.330	24.0	17-Oct-08 20:27 JAM
95-50-1	1,2-Dichlorobenzene	1		ND	0.330	29.0	17-Oct-08 20:27 JAM
541-73-1	1,3-Dichlorobenzene	1		ND	0.330	2.10	17-Oct-08 20:27 JAM
106-46-7	1,4-Dichlorobenzene	1		ND	0.330	5.70	17-Oct-08 20:27 JAM
91-94-1	3,3'-Dichlorobenzidine	1		ND	0.667	0.970	17-Oct-08 20:27 JAM
120-83-2	2,4-Dichlorophenol	1		ND	0.330	12.0	17-Oct-08 20:27 JAM
84-66-2	Diethylphthalate	1		ND	0.330	360.	17-Oct-08 20:27 JAM
105-67-9	2,4-Dimethylphenol	1		ND	0.330	20.0	17-Oct-08 20:27 JAM
131-11-3	Dimethylphthalate	1		ND	0.330	1500	17-Oct-08 20:27 JAM
99-65-0	1,3-Dinitrobenzene	1		ND	0.330	0.250	17-Oct-08 20:27 JAM
51-28-5	2,4-Dinitrophenol	1		ND	0.330	1.70	17-Oct-08 20:27 JAM
121-14-2	2,4-Dinitrotoluene	1		ND	0.330	1.00	17-Oct-08 20:27 JAM
606-20-2	2,6-Dinitrotoluene	1		ND	0.330	0.390	17-Oct-08 20:27 JAM
117-84-0	Di-n-octylphthalate	1		ND	0.330	240.	17-Oct-08 20:27 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	A25	ND	0.330	35.0	17-Oct-08 20:27 JAM

Protocol 11/5/2008 13:28:36

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Limits are corrected for sample size, dilution and moisture content if applicable.
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For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-02
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645516
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108753
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
206-44-0	Fluoranthene	1		ND	0.330	220.	17-Oct-08 20:27 JAM
86-73-7	Fluorene	1		ND	0.330	230.	17-Oct-08 20:27 JAM
118-74-1	Hexachlorobenzene	1		ND	0.330	0.340	17-Oct-08 20:27 JAM
87-68-3	Hexachloro-1,3-butadiene	1		ND	0.330	0.820	17-Oct-08 20:27 JAM
77-47-4	Hexachlorocyclopentadiene	1		ND	0.330	1.40	17-Oct-08 20:27 JAM
67-72-1	Hexachloroethane	1		ND	0.330	2.20	17-Oct-08 20:27 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1		ND	0.330	0.620	17-Oct-08 20:27 JAM
78-59-1	Isophorone	1		ND	0.330	0.560	17-Oct-08 20:27 JAM
91-57-6	2-Methylnaphthalene	1		ND	0.330	1.70	17-Oct-08 20:27 JAM
91-20-3	Naphthalene	1		ND	0.330	1.50	17-Oct-08 20:27 JAM
88-74-4	2-Nitroaniline	1		ND	0.330	1.70	17-Oct-08 20:27 JAM
99-09-2	3-Nitroaniline	1		ND	0.330	1.70	17-Oct-08 20:27 JAM
100-01-6	4-Nitroaniline	1		ND	0.330	1.70	17-Oct-08 20:27 JAM
98-95-3	Nitrobenzene	1		ND	0.330	0.330	17-Oct-08 20:27 JAM
100-02-7	4-Nitrophenol	1		ND	0.330	2.60	17-Oct-08 20:27 JAM
621-64-7	N-Nitroso-di-n-propylamine	1		ND	0.330	0.330	17-Oct-08 20:27 JAM
86-30-6	N-Nitrosodiphenylamine	1	A10	ND	0.330	2.10	17-Oct-08 20:27 JAM
87-86-5	Pentachlorophenol	1		ND	0.330	1.70	17-Oct-08 20:27 JAM
85-01-8	Phenanthrene	1		ND	0.330	660.	17-Oct-08 20:27 JAM
108-95-2	Phenol	1		ND	0.330	11.0	17-Oct-08 20:27 JAM
129-00-0	Pyrene	1		ND	0.330	230.	17-Oct-08 20:27 JAM
95-94-3	1,2,4,5-Tetrachlorobenzene	1		ND	0.330	1.20	17-Oct-08 20:27 JAM
58-90-2	2,3,4,6-Tetrachlorophenol	1		ND	0.330	31.0	17-Oct-08 20:27 JAM
95-95-4	2,4,5-Trichlorophenol	1		ND	0.330	320.	17-Oct-08 20:27 JAM
88-06-2	2,4,6-Trichlorophenol	1		ND	0.330	1.30	17-Oct-08 20:27 JAM

58 compound(s) reported

Protocol 11/5/2008 13:28:36

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
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Limits are corrected for sample size, dilution and moisture content if applicable.
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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-02
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645516
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
67-64-1	Acetone	1	A11	0.0447	0.0131	1.50	23-Oct-08 12:45 RMP
71-43-2	Benzene	1		ND	0.00653	0.0510	23-Oct-08 12:45 RMP
75-27-4	Bromodichloromethane	1		ND	0.00653	0.920	23-Oct-08 12:45 RMP
75-25-2	Bromoform	1		ND	0.00653	1.80	23-Oct-08 12:45 RMP
74-83-9	Bromomethane	1		ND	0.00653	0.0400	23-Oct-08 12:45 RMP
78-93-3	2-Butanone (MEK)	1	A11	ND	0.0131	5.00	23-Oct-08 12:45 RMP
75-15-0	Carbon disulfide	1		0.0221	0.00653	11.0	23-Oct-08 12:45 RMP
56-23-5	Carbon tetrachloride	1		ND	0.00653	0.110	23-Oct-08 12:45 RMP
108-90-7	Chlorobenzene	1		ND	0.00653	3.00	23-Oct-08 12:45 RMP
75-00-3	Chloroethane	1		ND	0.00653	0.0350	23-Oct-08 12:45 RMP
67-66-3	Chloroform	1		ND	0.00653	0.0440	23-Oct-08 12:45 RMP
74-87-3	Chloromethane	1		ND	0.00653	0.100	23-Oct-08 12:45 RMP
124-48-1	Dibromochloromethane	1		ND	0.00653	1.00	23-Oct-08 12:45 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1		ND	0.00653	0.0100	23-Oct-08 12:45 RMP
75-34-3	1,1-Dichloroethane	1		ND	0.00653	7.50	23-Oct-08 12:45 RMP
107-06-2	1,2-Dichloroethane	1		ND	0.00653	0.0350	23-Oct-08 12:45 RMP
75-35-4	1,1-Dichloroethene	1		ND	0.00653	0.0850	23-Oct-08 12:45 RMP
156-59-2	cis-1,2-Dichloroethene	1		ND	0.00653	0.490	23-Oct-08 12:45 RMP
156-60-5	trans-1,2-Dichloroethene	1		ND	0.00653	0.770	23-Oct-08 12:45 RMP
78-87-5	1,2-Dichloropropane	1		ND	0.00653	0.0420	23-Oct-08 12:45 RMP
10061-01-5	cis-1,3-Dichloropropene	1		ND	0.00653	0.0400	23-Oct-08 12:45 RMP
10061-02-6	trans-1,3-Dichloropropene	1		ND	0.00653	0.0400	23-Oct-08 12:45 RMP
100-41-4	Ethylbenzene	1		ND	0.00653	19.0	23-Oct-08 12:45 RMP
1634-04-4	Methyl-tert-butyl ether	1		ND	0.00653	0.0770	23-Oct-08 12:45 RMP
75-09-2	Methylene chloride	1	A11	ND	0.00653	0.0170	23-Oct-08 12:45 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1		ND	0.0131	6.40	23-Oct-08 12:45 RMP
78-83-1	Isobutanol	1		ND	0.326	30.0	23-Oct-08 12:45 RMP
100-42-5	Styrene	1		ND	0.00653	11.0	23-Oct-08 12:45 RMP
630-20-6	1,1,1,2-Tetrachloroethane	1		ND	0.00653	0.0460	23-Oct-08 12:45 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1		ND	0.00653	0.00600	23-Oct-08 12:45 RMP
127-18-4	Tetrachloroethene	1		ND	0.00653	0.180	23-Oct-08 12:45 RMP
108-88-3	Toluene	1		ND	0.00653	20.0	23-Oct-08 12:45 RMP
120-82-1	1,2,4-Trichlorobenzene	1		ND	0.00653	14.0	23-Oct-08 12:45 RMP

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ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-02
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645516
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
71-55-6	1,1,1-Trichloroethane	1		ND	0.00653	4.00	23-Oct-08 12:45 RMP
79-00-5	1,1,2-Trichloroethane	1		ND	0.00653	0.0580	23-Oct-08 12:45 RMP
79-01-6	Trichloroethene	1		ND	0.00653	0.0730	23-Oct-08 12:45 RMP
75-69-4	Trichlorofluoromethane	1		ND	0.00653	37.0	23-Oct-08 12:45 RMP
75-01-4	Vinyl chloride	1		ND	0.00261	0.0130	23-Oct-08 12:45 RMP
	m&p-Xylene	1		ND	0.00653	18.0	23-Oct-08 12:45 RMP
95-47-6	o-Xylene	1		ND	0.00653	18.0	23-Oct-08 12:45 RMP

40 compound(s) reported

Protocol 11/5/2008 13:28:36

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-03
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645517
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108753
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
83-32-9	Acenaphthene	1		ND	0.330	220.	17-Oct-08 20:54 JAM
208-96-8	Acenaphthylene	1		ND	0.330	88.0	17-Oct-08 20:54 JAM
62-53-3	Aniline	1		ND	0.330	0.0650	17-Oct-08 20:54 JAM
120-12-7	Anthracene	1		ND	0.330	120.	17-Oct-08 20:54 JAM
56-55-3	Benzo(a)anthracene	1		ND	0.330	0.620	17-Oct-08 20:54 JAM
205-99-2	Benzo(b)fluoranthene	1		ND	0.330	0.620	17-Oct-08 20:54 JAM
207-08-9	Benzo(k)fluoranthene	1		ND	0.330	6.20	17-Oct-08 20:54 JAM
50-32-8	Benzo(a)pyrene	1		ND	0.330	0.330	17-Oct-08 20:54 JAM
92-52-4	Biphenyl (Diphenyl)	1		ND	0.330	190.	17-Oct-08 20:54 JAM
85-68-7	Butylbenzylphthalate	1		ND	0.330	220.	17-Oct-08 20:54 JAM
88-85-7	Dinoseb	1		ND	0.330	0.140	17-Oct-08 20:54 JAM
106-47-8	3&4-Chloroaniline	1		ND	0.330	1.50	17-Oct-08 20:54 JAM
111-44-4	bis(2-Chloroethyl) ether	1		ND	0.330	0.330	17-Oct-08 20:54 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1		ND	0.330	0.800	17-Oct-08 20:54 JAM
91-58-7	2-Chloronaphthalene	1		ND	0.330	500.	17-Oct-08 20:54 JAM
95-57-8	2-Chlorophenol	1		ND	0.330	1.40	17-Oct-08 20:54 JAM
218-01-9	Chrysene	1		ND	0.330	62.0	17-Oct-08 20:54 JAM
53-70-3	Dibenz(a,h)anthracene	1		ND	0.330	0.330	17-Oct-08 20:54 JAM
132-64-9	Dibenzofuran	1		ND	0.330	24.0	17-Oct-08 20:54 JAM
95-50-1	1,2-Dichlorobenzene	1		ND	0.330	29.0	17-Oct-08 20:54 JAM
541-73-1	1,3-Dichlorobenzene	1		ND	0.330	2.10	17-Oct-08 20:54 JAM
106-46-7	1,4-Dichlorobenzene	1		ND	0.330	5.70	17-Oct-08 20:54 JAM
91-94-1	3,3'-Dichlorobenzidine	1		ND	0.667	0.970	17-Oct-08 20:54 JAM
120-83-2	2,4-Dichlorophenol	1		ND	0.330	12.0	17-Oct-08 20:54 JAM
84-66-2	Diethylphthalate	1		ND	0.330	360.	17-Oct-08 20:54 JAM
105-67-9	2,4-Dimethylphenol	1		ND	0.330	20.0	17-Oct-08 20:54 JAM
131-11-3	Dimethylphthalate	1		ND	0.330	1500	17-Oct-08 20:54 JAM
99-65-0	1,3-Dinitrobenzene	1		ND	0.330	0.250	17-Oct-08 20:54 JAM
51-28-5	2,4-Dinitrophenol	1		ND	0.330	1.70	17-Oct-08 20:54 JAM
121-14-2	2,4-Dinitrotoluene	1		ND	0.330	1.00	17-Oct-08 20:54 JAM
606-20-2	2,6-Dinitrotoluene	1		ND	0.330	0.390	17-Oct-08 20:54 JAM
117-84-0	Di-n-octylphthalate	1		ND	0.330	240.	17-Oct-08 20:54 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	A25	ND	0.330	35.0	17-Oct-08 20:54 JAM

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-03
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645517
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108753
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
206-44-0	Fluoranthene	1		ND	0.330	220.	17-Oct-08 20:54 JAM
86-73-7	Fluorene	1		ND	0.330	230.	17-Oct-08 20:54 JAM
118-74-1	Hexachlorobenzene	1		ND	0.330	0.340	17-Oct-08 20:54 JAM
87-68-3	Hexachloro-1,3-butadiene	1		ND	0.330	0.820	17-Oct-08 20:54 JAM
77-47-4	Hexachlorocyclopentadiene	1		ND	0.330	1.40	17-Oct-08 20:54 JAM
67-72-1	Hexachloroethane	1		ND	0.330	2.20	17-Oct-08 20:54 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1		ND	0.330	0.620	17-Oct-08 20:54 JAM
78-59-1	Isophorone	1		ND	0.330	0.560	17-Oct-08 20:54 JAM
91-57-6	2-Methylnaphthalene	1		ND	0.330	1.70	17-Oct-08 20:54 JAM
91-20-3	Naphthalene	1		ND	0.330	1.50	17-Oct-08 20:54 JAM
88-74-4	2-Nitroaniline	1		ND	0.330	1.70	17-Oct-08 20:54 JAM
99-09-2	3-Nitroaniline	1		ND	0.330	1.70	17-Oct-08 20:54 JAM
100-01-6	4-Nitroaniline	1		ND	0.330	1.70	17-Oct-08 20:54 JAM
98-95-3	Nitrobenzene	1		ND	0.330	0.330	17-Oct-08 20:54 JAM
100-02-7	4-Nitrophenol	1		ND	0.330	2.60	17-Oct-08 20:54 JAM
621-64-7	N-Nitroso-di-n-propylamine	1		ND	0.330	0.330	17-Oct-08 20:54 JAM
86-30-6	N-Nitrosodiphenylamine	1	A10	ND	0.330	2.10	17-Oct-08 20:54 JAM
87-86-5	Pentachlorophenol	1		ND	0.330	1.70	17-Oct-08 20:54 JAM
85-01-8	Phenanthrene	1		ND	0.330	660.	17-Oct-08 20:54 JAM
108-95-2	Phenol	1		ND	0.330	11.0	17-Oct-08 20:54 JAM
129-00-0	Pyrene	1		ND	0.330	230.	17-Oct-08 20:54 JAM
95-94-3	1,2,4,5-Tetrachlorobenzene	1		ND	0.330	1.20	17-Oct-08 20:54 JAM
58-90-2	2,3,4,6-Tetrachlorophenol	1		ND	0.330	31.0	17-Oct-08 20:54 JAM
95-95-4	2,4,5-Trichlorophenol	1		ND	0.330	320.	17-Oct-08 20:54 JAM
88-06-2	2,4,6-Trichlorophenol	1		ND	0.330	1.30	17-Oct-08 20:54 JAM

58 compound(s) reported

Protocol 11/5/2008 13:28:36

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MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-03
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645517
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
67-64-1	Acetone	1	A11	0.0424	0.0138	1.50	23-Oct-08 13:07 RMP
71-43-2	Benzene	1		ND	0.00689	0.0510	23-Oct-08 13:07 RMP
75-27-4	Bromodichloromethane	1		ND	0.00689	0.920	23-Oct-08 13:07 RMP
75-25-2	Bromoform	1		ND	0.00689	1.80	23-Oct-08 13:07 RMP
74-83-9	Bromomethane	1		ND	0.00689	0.0400	23-Oct-08 13:07 RMP
78-93-3	2-Butanone (MEK)	1	A11	ND	0.0138	5.00	23-Oct-08 13:07 RMP
75-15-0	Carbon disulfide	1		0.0149	0.00689	11.0	23-Oct-08 13:07 RMP
56-23-5	Carbon tetrachloride	1		ND	0.00689	0.110	23-Oct-08 13:07 RMP
108-90-7	Chlorobenzene	1		ND	0.00689	3.00	23-Oct-08 13:07 RMP
75-00-3	Chloroethane	1		ND	0.00689	0.0350	23-Oct-08 13:07 RMP
67-66-3	Chloroform	1		ND	0.00689	0.0440	23-Oct-08 13:07 RMP
74-87-3	Chloromethane	1		ND	0.00689	0.100	23-Oct-08 13:07 RMP
124-48-1	Dibromochloromethane	1		ND	0.00689	1.00	23-Oct-08 13:07 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1		ND	0.00689	0.0100	23-Oct-08 13:07 RMP
75-34-3	1,1-Dichloroethane	1		ND	0.00689	7.50	23-Oct-08 13:07 RMP
107-06-2	1,2-Dichloroethane	1		ND	0.00689	0.0350	23-Oct-08 13:07 RMP
75-35-4	1,1-Dichloroethene	1		ND	0.00689	0.0850	23-Oct-08 13:07 RMP
156-59-2	cis-1,2-Dichloroethene	1		ND	0.00689	0.490	23-Oct-08 13:07 RMP
156-60-5	trans-1,2-Dichloroethene	1		ND	0.00689	0.770	23-Oct-08 13:07 RMP
78-87-5	1,2-Dichloropropane	1		ND	0.00689	0.0420	23-Oct-08 13:07 RMP
10061-01-5	cis-1,3-Dichloropropene	1		ND	0.00689	0.0400	23-Oct-08 13:07 RMP
10061-02-6	trans-1,3-Dichloropropene	1		ND	0.00689	0.0400	23-Oct-08 13:07 RMP
100-41-4	Ethylbenzene	1		ND	0.00689	19.0	23-Oct-08 13:07 RMP
1634-04-4	Methyl-tert-butyl ether	1		ND	0.00689	0.0770	23-Oct-08 13:07 RMP
75-09-2	Methylene chloride	1	A11	ND	0.00689	0.0170	23-Oct-08 13:07 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1		ND	0.0138	6.40	23-Oct-08 13:07 RMP
78-83-1	Isobutanol	1		ND	0.344	30.0	23-Oct-08 13:07 RMP
100-42-5	Styrene	1		ND	0.00689	11.0	23-Oct-08 13:07 RMP
630-20-6	1,1,1,2-Tetrachloroethane	1		ND	0.00689	0.0460	23-Oct-08 13:07 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1		ND	0.00689	0.00600	23-Oct-08 13:07 RMP
127-18-4	Tetrachloroethene	1		ND	0.00689	0.180	23-Oct-08 13:07 RMP
108-88-3	Toluene	1		ND	0.00689	20.0	23-Oct-08 13:07 RMP
120-82-1	1,2,4-Trichlorobenzene	1		ND	0.00689	14.0	23-Oct-08 13:07 RMP

Protocol 11/5/2008 13:28:36

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
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For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-03
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645517
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
71-55-6	1,1,1-Trichloroethane	1		ND	0.00689	4.00	23-Oct-08 13:07 RMP
79-00-5	1,1,2-Trichloroethane	1		ND	0.00689	0.0580	23-Oct-08 13:07 RMP
79-01-6	Trichloroethene	1		ND	0.00689	0.0730	23-Oct-08 13:07 RMP
75-69-4	Trichlorofluoromethane	1		ND	0.00689	37.0	23-Oct-08 13:07 RMP
75-01-4	Vinyl chloride	1		ND	0.00275	0.0130	23-Oct-08 13:07 RMP
	m&p-Xylene	1		ND	0.00689	18.0	23-Oct-08 13:07 RMP
95-47-6	o-Xylene	1		ND	0.00689	18.0	23-Oct-08 13:07 RMP

40 compound(s) reported

Protocol 11/5/2008 13:28:36

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-04
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645518
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109005
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 21-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
83-32-9	Acenaphthene	1		ND	0.330	220.	24-Oct-08 15:21 JAM
208-96-8	Acenaphthylene	1		ND	0.330	88.0	24-Oct-08 15:21 JAM
62-53-3	Aniline	1		ND	0.330	0.0650	24-Oct-08 15:21 JAM
120-12-7	Anthracene	1		ND	0.330	120.	24-Oct-08 15:21 JAM
56-55-3	Benzo(a)anthracene	1		ND	0.330	0.620	24-Oct-08 15:21 JAM
205-99-2	Benzo(b)fluoranthene	1		ND	0.330	0.620	24-Oct-08 15:21 JAM
207-08-9	Benzo(k)fluoranthene	1		ND	0.330	6.20	24-Oct-08 15:21 JAM
50-32-8	Benzo(a)pyrene	1		ND	0.330	0.330	24-Oct-08 15:21 JAM
92-52-4	Biphenyl (Diphenyl)	1		ND	0.330	190.	24-Oct-08 15:21 JAM
85-68-7	Butylbenzylphthalate	1		ND	0.330	220.	24-Oct-08 15:21 JAM
88-85-7	Dinoseb	1		ND	0.330	0.140	24-Oct-08 15:21 JAM
106-47-8	3&4-Chloroaniline	1		ND	0.330	1.50	24-Oct-08 15:21 JAM
111-44-4	bis(2-Chloroethyl) ether	1		ND	0.330	0.330	24-Oct-08 15:21 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1		ND	0.330	0.800	24-Oct-08 15:21 JAM
91-58-7	2-Chloronaphthalene	1		ND	0.330	500.	24-Oct-08 15:21 JAM
95-57-8	2-Chlorophenol	1		ND	0.330	1.40	24-Oct-08 15:21 JAM
218-01-9	Chrysene	1		ND	0.330	62.0	24-Oct-08 15:21 JAM
53-70-3	Dibenz(a,h)anthracene	1		ND	0.330	0.330	24-Oct-08 15:21 JAM
132-64-9	Dibenzofuran	1		ND	0.330	24.0	24-Oct-08 15:21 JAM
95-50-1	1,2-Dichlorobenzene	1		ND	0.330	29.0	24-Oct-08 15:21 JAM
541-73-1	1,3-Dichlorobenzene	1		ND	0.330	2.10	24-Oct-08 15:21 JAM
106-46-7	1,4-Dichlorobenzene	1		ND	0.330	5.70	24-Oct-08 15:21 JAM
91-94-1	3,3'-Dichlorobenzidine	1		ND	0.667	0.970	24-Oct-08 15:21 JAM
120-83-2	2,4-Dichlorophenol	1		ND	0.330	12.0	24-Oct-08 15:21 JAM
84-66-2	Diethylphthalate	1		ND	0.330	360.	24-Oct-08 15:21 JAM
105-67-9	2,4-Dimethylphenol	1		ND	0.330	20.0	24-Oct-08 15:21 JAM
131-11-3	Dimethylphthalate	1		ND	0.330	1500	24-Oct-08 15:21 JAM
99-65-0	1,3-Dinitrobenzene	1		ND	0.330	0.250	24-Oct-08 15:21 JAM
51-28-5	2,4-Dinitrophenol	1		ND	0.330	1.70	24-Oct-08 15:21 JAM
121-14-2	2,4-Dinitrotoluene	1		ND	0.330	1.00	24-Oct-08 15:21 JAM
606-20-2	2,6-Dinitrotoluene	1		ND	0.330	0.390	24-Oct-08 15:21 JAM
117-84-0	Di-n-octylphthalate	1		ND	0.330	240.	24-Oct-08 15:21 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	A25	ND	0.330	35.0	24-Oct-08 15:21 JAM

Protocol 11/5/2008 13:28:36

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-04
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645518
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109005
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 21-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
206-44-0	Fluoranthene	1		ND	0.330	220.	24-Oct-08 15:21 JAM
86-73-7	Fluorene	1		ND	0.330	230.	24-Oct-08 15:21 JAM
118-74-1	Hexachlorobenzene	1		ND	0.330	0.340	24-Oct-08 15:21 JAM
87-68-3	Hexachloro-1,3-butadiene	1		ND	0.330	0.820	24-Oct-08 15:21 JAM
77-47-4	Hexachlorocyclopentadiene	1		ND	0.330	1.40	24-Oct-08 15:21 JAM
67-72-1	Hexachloroethane	1		ND	0.330	2.20	24-Oct-08 15:21 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1		ND	0.330	0.620	24-Oct-08 15:21 JAM
78-59-1	Isophorone	1		ND	0.330	0.560	24-Oct-08 15:21 JAM
91-57-6	2-Methylnaphthalene	1		ND	0.330	1.70	24-Oct-08 15:21 JAM
91-20-3	Naphthalene	1		ND	0.330	1.50	24-Oct-08 15:21 JAM
88-74-4	2-Nitroaniline	1		ND	0.330	1.70	24-Oct-08 15:21 JAM
99-09-2	3-Nitroaniline	1		ND	0.330	1.70	24-Oct-08 15:21 JAM
100-01-6	4-Nitroaniline	1		ND	0.330	1.70	24-Oct-08 15:21 JAM
98-95-3	Nitrobenzene	1		ND	0.330	0.330	24-Oct-08 15:21 JAM
100-02-7	4-Nitrophenol	1		ND	0.330	2.60	24-Oct-08 15:21 JAM
621-64-7	N-Nitroso-di-n-propylamine	1		ND	0.330	0.330	24-Oct-08 15:21 JAM
86-30-6	N-Nitrosodiphenylamine	1	A10	ND	0.330	2.10	24-Oct-08 15:21 JAM
87-86-5	Pentachlorophenol	1		ND	0.330	1.70	24-Oct-08 15:21 JAM
85-01-8	Phenanthrene	1		ND	0.330	660.	24-Oct-08 15:21 JAM
108-95-2	Phenol	1		ND	0.330	11.0	24-Oct-08 15:21 JAM
129-00-0	Pyrene	1		ND	0.330	230.	24-Oct-08 15:21 JAM
95-94-3	1,2,4,5-Tetrachlorobenzene	1		ND	0.330	1.20	24-Oct-08 15:21 JAM
58-90-2	2,3,4,6-Tetrachlorophenol	1		ND	0.330	31.0	24-Oct-08 15:21 JAM
95-95-4	2,4,5-Trichlorophenol	1		ND	0.330	320.	24-Oct-08 15:21 JAM
88-06-2	2,4,6-Trichlorophenol	1		ND	0.330	1.30	24-Oct-08 15:21 JAM

58 compound(s) reported

Protocol 11/5/2008 13:28:36

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-04
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645518
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
67-64-1	Acetone	1	A11	0.0403	0.0105	1.50	23-Oct-08 13:28 RMP
71-43-2	Benzene	1		ND	0.00527	0.0510	23-Oct-08 13:28 RMP
75-27-4	Bromodichloromethane	1		ND	0.00527	0.920	23-Oct-08 13:28 RMP
75-25-2	Bromoform	1		ND	0.00527	1.80	23-Oct-08 13:28 RMP
74-83-9	Bromomethane	1		ND	0.00527	0.0400	23-Oct-08 13:28 RMP
78-93-3	2-Butanone (MEK)	1	A11	ND	0.0105	5.00	23-Oct-08 13:28 RMP
75-15-0	Carbon disulfide	1		0.0123	0.00527	11.0	23-Oct-08 13:28 RMP
56-23-5	Carbon tetrachloride	1		ND	0.00527	0.110	23-Oct-08 13:28 RMP
108-90-7	Chlorobenzene	1		ND	0.00527	3.00	23-Oct-08 13:28 RMP
75-00-3	Chloroethane	1		ND	0.00527	0.0350	23-Oct-08 13:28 RMP
67-66-3	Chloroform	1		ND	0.00527	0.0440	23-Oct-08 13:28 RMP
74-87-3	Chloromethane	1		ND	0.00527	0.100	23-Oct-08 13:28 RMP
124-48-1	Dibromochloromethane	1		ND	0.00527	1.00	23-Oct-08 13:28 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1		ND	0.00527	0.0100	23-Oct-08 13:28 RMP
75-34-3	1,1-Dichloroethane	1		ND	0.00527	7.50	23-Oct-08 13:28 RMP
107-06-2	1,2-Dichloroethane	1		ND	0.00527	0.0350	23-Oct-08 13:28 RMP
75-35-4	1,1-Dichloroethene	1		ND	0.00527	0.0850	23-Oct-08 13:28 RMP
156-59-2	cis-1,2-Dichloroethene	1		ND	0.00527	0.490	23-Oct-08 13:28 RMP
156-60-5	trans-1,2-Dichloroethene	1		ND	0.00527	0.770	23-Oct-08 13:28 RMP
78-87-5	1,2-Dichloropropane	1		ND	0.00527	0.0420	23-Oct-08 13:28 RMP
10061-01-5	cis-1,3-Dichloropropene	1		ND	0.00527	0.0400	23-Oct-08 13:28 RMP
10061-02-6	trans-1,3-Dichloropropene	1		ND	0.00527	0.0400	23-Oct-08 13:28 RMP
100-41-4	Ethylbenzene	1		ND	0.00527	19.0	23-Oct-08 13:28 RMP
1634-04-4	Methyl-tert-butyl ether	1		ND	0.00527	0.0770	23-Oct-08 13:28 RMP
75-09-2	Methylene chloride	1	A11	ND	0.00527	0.0170	23-Oct-08 13:28 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1		ND	0.0105	6.40	23-Oct-08 13:28 RMP
78-83-1	Isobutanol	1		ND	0.264	30.0	23-Oct-08 13:28 RMP
100-42-5	Styrene	1		ND	0.00527	11.0	23-Oct-08 13:28 RMP
630-20-6	1,1,1,2-Tetrachloroethane	1		ND	0.00527	0.0460	23-Oct-08 13:28 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1		ND	0.00527	0.00600	23-Oct-08 13:28 RMP
127-18-4	Tetrachloroethene	1		ND	0.00527	0.180	23-Oct-08 13:28 RMP
108-88-3	Toluene	1		ND	0.00527	20.0	23-Oct-08 13:28 RMP
120-82-1	1,2,4-Trichlorobenzene	1		ND	0.00527	14.0	23-Oct-08 13:28 RMP

Protocol 11/5/2008 13:28:36

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-04
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645518
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
71-55-6	1,1,1-Trichloroethane	1		ND	0.00527	4.00	23-Oct-08 13:28 RMP
79-00-5	1,1,2-Trichloroethane	1		ND	0.00527	0.0580	23-Oct-08 13:28 RMP
79-01-6	Trichloroethene	1		ND	0.00527	0.0730	23-Oct-08 13:28 RMP
75-69-4	Trichlorofluoromethane	1		ND	0.00527	37.0	23-Oct-08 13:28 RMP
75-01-4	Vinyl chloride	1		ND	0.00211	0.0130	23-Oct-08 13:28 RMP
	m&p-Xylene	1		ND	0.00527	18.0	23-Oct-08 13:28 RMP
95-47-6	o-Xylene	1		ND	0.00527	18.0	23-Oct-08 13:28 RMP

40 compound(s) reported

Protocol 11/5/2008 13:28:36

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MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-05
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645519
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109005
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 21-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
83-32-9	Acenaphthene	1		ND	0.330	220.	24-Oct-08 14:53 JAM
208-96-8	Acenaphthylene	1		ND	0.330	88.0	24-Oct-08 14:53 JAM
62-53-3	Aniline	1		ND	0.330	0.0650	24-Oct-08 14:53 JAM
120-12-7	Anthracene	1		ND	0.330	120.	24-Oct-08 14:53 JAM
56-55-3	Benzo(a)anthracene	1		ND	0.330	0.620	24-Oct-08 14:53 JAM
205-99-2	Benzo(b)fluoranthene	1		ND	0.330	0.620	24-Oct-08 14:53 JAM
207-08-9	Benzo(k)fluoranthene	1		ND	0.330	6.20	24-Oct-08 14:53 JAM
50-32-8	Benzo(a)pyrene	1		ND	0.330	0.330	24-Oct-08 14:53 JAM
92-52-4	Biphenyl (Diphenyl)	1		ND	0.330	190.	24-Oct-08 14:53 JAM
85-68-7	Butylbenzylphthalate	1		ND	0.330	220.	24-Oct-08 14:53 JAM
88-85-7	Dinoseb	1		ND	0.330	0.140	24-Oct-08 14:53 JAM
106-47-8	3&4-Chloroaniline	1		ND	0.330	1.50	24-Oct-08 14:53 JAM
111-44-4	bis(2-Chloroethyl) ether	1		ND	0.330	0.330	24-Oct-08 14:53 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1		ND	0.330	0.800	24-Oct-08 14:53 JAM
91-58-7	2-Chloronaphthalene	1		ND	0.330	500.	24-Oct-08 14:53 JAM
95-57-8	2-Chlorophenol	1		ND	0.330	1.40	24-Oct-08 14:53 JAM
218-01-9	Chrysene	1		ND	0.330	62.0	24-Oct-08 14:53 JAM
53-70-3	Dibenz(a,h)anthracene	1		ND	0.330	0.330	24-Oct-08 14:53 JAM
132-64-9	Dibenzofuran	1		ND	0.330	24.0	24-Oct-08 14:53 JAM
95-50-1	1,2-Dichlorobenzene	1		ND	0.330	29.0	24-Oct-08 14:53 JAM
541-73-1	1,3-Dichlorobenzene	1		ND	0.330	2.10	24-Oct-08 14:53 JAM
106-46-7	1,4-Dichlorobenzene	1		ND	0.330	5.70	24-Oct-08 14:53 JAM
91-94-1	3,3'-Dichlorobenzidine	1		ND	0.667	0.970	24-Oct-08 14:53 JAM
120-83-2	2,4-Dichlorophenol	1		ND	0.330	12.0	24-Oct-08 14:53 JAM
84-66-2	Diethylphthalate	1		ND	0.330	360.	24-Oct-08 14:53 JAM
105-67-9	2,4-Dimethylphenol	1		ND	0.330	20.0	24-Oct-08 14:53 JAM
131-11-3	Dimethylphthalate	1		ND	0.330	1500	24-Oct-08 14:53 JAM
99-65-0	1,3-Dinitrobenzene	1		ND	0.330	0.250	24-Oct-08 14:53 JAM
51-28-5	2,4-Dinitrophenol	1		ND	0.330	1.70	24-Oct-08 14:53 JAM
121-14-2	2,4-Dinitrotoluene	1		ND	0.330	1.00	24-Oct-08 14:53 JAM
606-20-2	2,6-Dinitrotoluene	1		ND	0.330	0.390	24-Oct-08 14:53 JAM
117-84-0	Di-n-octylphthalate	1		ND	0.330	240.	24-Oct-08 14:53 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	A25	ND	0.330	35.0	24-Oct-08 14:53 JAM

Protocol 11/5/2008 13:28:36

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
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For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-05
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645519
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109005
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 21-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
206-44-0	Fluoranthene	1		ND	0.330	220.	24-Oct-08 14:53 JAM
86-73-7	Fluorene	1		ND	0.330	230.	24-Oct-08 14:53 JAM
118-74-1	Hexachlorobenzene	1		ND	0.330	0.340	24-Oct-08 14:53 JAM
87-68-3	Hexachloro-1,3-butadiene	1		ND	0.330	0.820	24-Oct-08 14:53 JAM
77-47-4	Hexachlorocyclopentadiene	1		ND	0.330	1.40	24-Oct-08 14:53 JAM
67-72-1	Hexachloroethane	1		ND	0.330	2.20	24-Oct-08 14:53 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1		ND	0.330	0.620	24-Oct-08 14:53 JAM
78-59-1	Isophorone	1		ND	0.330	0.560	24-Oct-08 14:53 JAM
91-57-6	2-Methylnaphthalene	1		ND	0.330	1.70	24-Oct-08 14:53 JAM
91-20-3	Naphthalene	1		ND	0.330	1.50	24-Oct-08 14:53 JAM
88-74-4	2-Nitroaniline	1		ND	0.330	1.70	24-Oct-08 14:53 JAM
99-09-2	3-Nitroaniline	1		ND	0.330	1.70	24-Oct-08 14:53 JAM
100-01-6	4-Nitroaniline	1		ND	0.330	1.70	24-Oct-08 14:53 JAM
98-95-3	Nitrobenzene	1		ND	0.330	0.330	24-Oct-08 14:53 JAM
100-02-7	4-Nitrophenol	1		ND	0.330	2.60	24-Oct-08 14:53 JAM
621-64-7	N-Nitroso-di-n-propylamine	1		ND	0.330	0.330	24-Oct-08 14:53 JAM
86-30-6	N-Nitrosodiphenylamine	1	A10	ND	0.330	2.10	24-Oct-08 14:53 JAM
87-86-5	Pentachlorophenol	1		ND	0.330	1.70	24-Oct-08 14:53 JAM
85-01-8	Phenanthrene	1		ND	0.330	660.	24-Oct-08 14:53 JAM
108-95-2	Phenol	1		ND	0.330	11.0	24-Oct-08 14:53 JAM
129-00-0	Pyrene	1		ND	0.330	230.	24-Oct-08 14:53 JAM
95-94-3	1,2,4,5-Tetrachlorobenzene	1		ND	0.330	1.20	24-Oct-08 14:53 JAM
58-90-2	2,3,4,6-Tetrachlorophenol	1		ND	0.330	31.0	24-Oct-08 14:53 JAM
95-95-4	2,4,5-Trichlorophenol	1		ND	0.330	320.	24-Oct-08 14:53 JAM
88-06-2	2,4,6-Trichlorophenol	1		ND	0.330	1.30	24-Oct-08 14:53 JAM

58 compound(s) reported

Protocol 11/5/2008 13:28:36

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-05
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645519
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
67-64-1	Acetone	1	A11	0.0741	0.0163	1.50	23-Oct-08 13:49 RMP
71-43-2	Benzene	1		ND	0.00814	0.0510	23-Oct-08 13:49 RMP
75-27-4	Bromodichloromethane	1		ND	0.00814	0.920	23-Oct-08 13:49 RMP
75-25-2	Bromoform	1		ND	0.00814	1.80	23-Oct-08 13:49 RMP
74-83-9	Bromomethane	1		ND	0.00814	0.0400	23-Oct-08 13:49 RMP
78-93-3	2-Butanone (MEK)	1	A11	ND	0.0163	5.00	23-Oct-08 13:49 RMP
75-15-0	Carbon disulfide	1		0.0153	0.00814	11.0	23-Oct-08 13:49 RMP
56-23-5	Carbon tetrachloride	1		ND	0.00814	0.110	23-Oct-08 13:49 RMP
108-90-7	Chlorobenzene	1		ND	0.00814	3.00	23-Oct-08 13:49 RMP
75-00-3	Chloroethane	1		ND	0.00814	0.0350	23-Oct-08 13:49 RMP
67-66-3	Chloroform	1		ND	0.00814	0.0440	23-Oct-08 13:49 RMP
74-87-3	Chloromethane	1		ND	0.00814	0.100	23-Oct-08 13:49 RMP
124-48-1	Dibromochloromethane	1		ND	0.00814	1.00	23-Oct-08 13:49 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1		ND	0.00814	0.0100	23-Oct-08 13:49 RMP
75-34-3	1,1-Dichloroethane	1		ND	0.00814	7.50	23-Oct-08 13:49 RMP
107-06-2	1,2-Dichloroethane	1		ND	0.00814	0.0350	23-Oct-08 13:49 RMP
75-35-4	1,1-Dichloroethene	1		ND	0.00814	0.0850	23-Oct-08 13:49 RMP
156-59-2	cis-1,2-Dichloroethene	1		ND	0.00814	0.490	23-Oct-08 13:49 RMP
156-60-5	trans-1,2-Dichloroethene	1		ND	0.00814	0.770	23-Oct-08 13:49 RMP
78-87-5	1,2-Dichloropropane	1		ND	0.00814	0.0420	23-Oct-08 13:49 RMP
10061-01-5	cis-1,3-Dichloropropene	1		ND	0.00814	0.0400	23-Oct-08 13:49 RMP
10061-02-6	trans-1,3-Dichloropropene	1		ND	0.00814	0.0400	23-Oct-08 13:49 RMP
100-41-4	Ethylbenzene	1		ND	0.00814	19.0	23-Oct-08 13:49 RMP
1634-04-4	Methyl-tert-butyl ether	1		ND	0.00814	0.0770	23-Oct-08 13:49 RMP
75-09-2	Methylene chloride	1	A11	ND	0.00814	0.0170	23-Oct-08 13:49 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1		ND	0.0163	6.40	23-Oct-08 13:49 RMP
78-83-1	Isobutanol	1		ND	0.407	30.0	23-Oct-08 13:49 RMP
100-42-5	Styrene	1		ND	0.00814	11.0	23-Oct-08 13:49 RMP
630-20-6	1,1,1,2-Tetrachloroethane	1		ND	0.00814	0.0460	23-Oct-08 13:49 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1		ND	0.00814	0.00600	23-Oct-08 13:49 RMP
127-18-4	Tetrachloroethene	1		ND	0.00814	0.180	23-Oct-08 13:49 RMP
108-88-3	Toluene	1		ND	0.00814	20.0	23-Oct-08 13:49 RMP
120-82-1	1,2,4-Trichlorobenzene	1		ND	0.00814	14.0	23-Oct-08 13:49 RMP

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ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-05
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645519
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
71-55-6	1,1,1-Trichloroethane	1		ND	0.00814	4.00	23-Oct-08 13:49 RMP
79-00-5	1,1,2-Trichloroethane	1		ND	0.00814	0.0580	23-Oct-08 13:49 RMP
79-01-6	Trichloroethene	1		ND	0.00814	0.0730	23-Oct-08 13:49 RMP
75-69-4	Trichlorofluoromethane	1		ND	0.00814	37.0	23-Oct-08 13:49 RMP
75-01-4	Vinyl chloride	1		ND	0.00326	0.0130	23-Oct-08 13:49 RMP
	m&p-Xylene	1		ND	0.00814	18.0	23-Oct-08 13:49 RMP
95-47-6	o-Xylene	1		ND	0.00814	18.0	23-Oct-08 13:49 RMP

40 compound(s) reported

Protocol 11/5/2008 13:28:36

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-06
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645520
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108753
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
83-32-9	Acenaphthene	1		ND	0.330	220.	17-Oct-08 22:17 JAM
208-96-8	Acenaphthylene	1		ND	0.330	88.0	17-Oct-08 22:17 JAM
62-53-3	Aniline	1		ND	0.330	0.0650	17-Oct-08 22:17 JAM
120-12-7	Anthracene	1		ND	0.330	120.	17-Oct-08 22:17 JAM
56-55-3	Benzo(a)anthracene	1		ND	0.330	0.620	17-Oct-08 22:17 JAM
205-99-2	Benzo(b)fluoranthene	1		ND	0.330	0.620	17-Oct-08 22:17 JAM
207-08-9	Benzo(k)fluoranthene	1		ND	0.330	6.20	17-Oct-08 22:17 JAM
50-32-8	Benzo(a)pyrene	1		ND	0.330	0.330	17-Oct-08 22:17 JAM
92-52-4	Biphenyl (Diphenyl)	1		ND	0.330	190.	17-Oct-08 22:17 JAM
85-68-7	Butylbenzylphthalate	1		ND	0.330	220.	17-Oct-08 22:17 JAM
88-85-7	Dinoseb	1		ND	0.330	0.140	17-Oct-08 22:17 JAM
106-47-8	3&4-Chloroaniline	1		ND	0.330	1.50	17-Oct-08 22:17 JAM
111-44-4	bis(2-Chloroethyl) ether	1		ND	0.330	0.330	17-Oct-08 22:17 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1		ND	0.330	0.800	17-Oct-08 22:17 JAM
91-58-7	2-Chloronaphthalene	1		ND	0.330	500.	17-Oct-08 22:17 JAM
95-57-8	2-Chlorophenol	1		ND	0.330	1.40	17-Oct-08 22:17 JAM
218-01-9	Chrysene	1		ND	0.330	62.0	17-Oct-08 22:17 JAM
53-70-3	Dibenz(a,h)anthracene	1		ND	0.330	0.330	17-Oct-08 22:17 JAM
132-64-9	Dibenzofuran	1		ND	0.330	24.0	17-Oct-08 22:17 JAM
95-50-1	1,2-Dichlorobenzene	1		ND	0.330	29.0	17-Oct-08 22:17 JAM
541-73-1	1,3-Dichlorobenzene	1		ND	0.330	2.10	17-Oct-08 22:17 JAM
106-46-7	1,4-Dichlorobenzene	1		ND	0.330	5.70	17-Oct-08 22:17 JAM
91-94-1	3,3'-Dichlorobenzidine	1		ND	0.667	0.970	17-Oct-08 22:17 JAM
120-83-2	2,4-Dichlorophenol	1		ND	0.330	12.0	17-Oct-08 22:17 JAM
84-66-2	Diethylphthalate	1		ND	0.330	360.	17-Oct-08 22:17 JAM
105-67-9	2,4-Dimethylphenol	1		ND	0.330	20.0	17-Oct-08 22:17 JAM
131-11-3	Dimethylphthalate	1		ND	0.330	1500	17-Oct-08 22:17 JAM
99-65-0	1,3-Dinitrobenzene	1		ND	0.330	0.250	17-Oct-08 22:17 JAM
51-28-5	2,4-Dinitrophenol	1		ND	0.330	1.70	17-Oct-08 22:17 JAM
121-14-2	2,4-Dinitrotoluene	1		ND	0.330	1.00	17-Oct-08 22:17 JAM
606-20-2	2,6-Dinitrotoluene	1		ND	0.330	0.390	17-Oct-08 22:17 JAM
117-84-0	Di-n-octylphthalate	1		ND	0.330	240.	17-Oct-08 22:17 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	A25	ND	0.330	35.0	17-Oct-08 22:17 JAM

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ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-06
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645520
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108753
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
206-44-0	Fluoranthene	1		ND	0.330	220.	17-Oct-08 22:17 JAM
86-73-7	Fluorene	1		ND	0.330	230.	17-Oct-08 22:17 JAM
118-74-1	Hexachlorobenzene	1		ND	0.330	0.340	17-Oct-08 22:17 JAM
87-68-3	Hexachloro-1,3-butadiene	1		ND	0.330	0.820	17-Oct-08 22:17 JAM
77-47-4	Hexachlorocyclopentadiene	1		ND	0.330	1.40	17-Oct-08 22:17 JAM
67-72-1	Hexachloroethane	1		ND	0.330	2.20	17-Oct-08 22:17 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1		ND	0.330	0.620	17-Oct-08 22:17 JAM
78-59-1	Isophorone	1		ND	0.330	0.560	17-Oct-08 22:17 JAM
91-57-6	2-Methylnaphthalene	1		ND	0.330	1.70	17-Oct-08 22:17 JAM
91-20-3	Naphthalene	1		ND	0.330	1.50	17-Oct-08 22:17 JAM
88-74-4	2-Nitroaniline	1		ND	0.330	1.70	17-Oct-08 22:17 JAM
99-09-2	3-Nitroaniline	1		ND	0.330	1.70	17-Oct-08 22:17 JAM
100-01-6	4-Nitroaniline	1		ND	0.330	1.70	17-Oct-08 22:17 JAM
98-95-3	Nitrobenzene	1		ND	0.330	0.330	17-Oct-08 22:17 JAM
100-02-7	4-Nitrophenol	1		ND	0.330	2.60	17-Oct-08 22:17 JAM
621-64-7	N-Nitroso-di-n-propylamine	1		ND	0.330	0.330	17-Oct-08 22:17 JAM
86-30-6	N-Nitrosodiphenylamine	1	A10	ND	0.330	2.10	17-Oct-08 22:17 JAM
87-86-5	Pentachlorophenol	1		ND	0.330	1.70	17-Oct-08 22:17 JAM
85-01-8	Phenanthrene	1		ND	0.330	660.	17-Oct-08 22:17 JAM
108-95-2	Phenol	1		ND	0.330	11.0	17-Oct-08 22:17 JAM
129-00-0	Pyrene	1		ND	0.330	230.	17-Oct-08 22:17 JAM
95-94-3	1,2,4,5-Tetrachlorobenzene	1		ND	0.330	1.20	17-Oct-08 22:17 JAM
58-90-2	2,3,4,6-Tetrachlorophenol	1		ND	0.330	31.0	17-Oct-08 22:17 JAM
95-95-4	2,4,5-Trichlorophenol	1		ND	0.330	320.	17-Oct-08 22:17 JAM
88-06-2	2,4,6-Trichlorophenol	1		ND	0.330	1.30	17-Oct-08 22:17 JAM

58 compound(s) reported

Protocol 11/5/2008 13:28:37

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MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-06
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645520
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
67-64-1	Acetone	1	A11	0.0386	0.0119	1.50	23-Oct-08 14:10 RMP
71-43-2	Benzene	1		ND	0.00595	0.0510	23-Oct-08 14:10 RMP
75-27-4	Bromodichloromethane	1		ND	0.00595	0.920	23-Oct-08 14:10 RMP
75-25-2	Bromoform	1		ND	0.00595	1.80	23-Oct-08 14:10 RMP
74-83-9	Bromomethane	1		ND	0.00595	0.0400	23-Oct-08 14:10 RMP
78-93-3	2-Butanone (MEK)	1	A11	ND	0.0119	5.00	23-Oct-08 14:10 RMP
75-15-0	Carbon disulfide	1		0.0134	0.00595	11.0	23-Oct-08 14:10 RMP
56-23-5	Carbon tetrachloride	1		ND	0.00595	0.110	23-Oct-08 14:10 RMP
108-90-7	Chlorobenzene	1		ND	0.00595	3.00	23-Oct-08 14:10 RMP
75-00-3	Chloroethane	1		ND	0.00595	0.0350	23-Oct-08 14:10 RMP
67-66-3	Chloroform	1		ND	0.00595	0.0440	23-Oct-08 14:10 RMP
74-87-3	Chloromethane	1		ND	0.00595	0.100	23-Oct-08 14:10 RMP
124-48-1	Dibromochloromethane	1		ND	0.00595	1.00	23-Oct-08 14:10 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1		ND	0.00595	0.0100	23-Oct-08 14:10 RMP
75-34-3	1,1-Dichloroethane	1		ND	0.00595	7.50	23-Oct-08 14:10 RMP
107-06-2	1,2-Dichloroethane	1		ND	0.00595	0.0350	23-Oct-08 14:10 RMP
75-35-4	1,1-Dichloroethene	1		ND	0.00595	0.0850	23-Oct-08 14:10 RMP
156-59-2	cis-1,2-Dichloroethene	1		ND	0.00595	0.490	23-Oct-08 14:10 RMP
156-60-5	trans-1,2-Dichloroethene	1		ND	0.00595	0.770	23-Oct-08 14:10 RMP
78-87-5	1,2-Dichloropropane	1		ND	0.00595	0.0420	23-Oct-08 14:10 RMP
10061-01-5	cis-1,3-Dichloropropene	1		ND	0.00595	0.0400	23-Oct-08 14:10 RMP
10061-02-6	trans-1,3-Dichloropropene	1		ND	0.00595	0.0400	23-Oct-08 14:10 RMP
100-41-4	Ethylbenzene	1		ND	0.00595	19.0	23-Oct-08 14:10 RMP
1634-04-4	Methyl-tert-butyl ether	1		ND	0.00595	0.0770	23-Oct-08 14:10 RMP
75-09-2	Methylene chloride	1	A11	ND	0.00595	0.0170	23-Oct-08 14:10 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1		ND	0.0119	6.40	23-Oct-08 14:10 RMP
78-83-1	Isobutanol	1		ND	0.298	30.0	23-Oct-08 14:10 RMP
100-42-5	Styrene	1		ND	0.00595	11.0	23-Oct-08 14:10 RMP
630-20-6	1,1,1,2-Tetrachloroethane	1		ND	0.00595	0.0460	23-Oct-08 14:10 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1		ND	0.00595	0.00600	23-Oct-08 14:10 RMP
127-18-4	Tetrachloroethene	1		ND	0.00595	0.180	23-Oct-08 14:10 RMP
108-88-3	Toluene	1		ND	0.00595	20.0	23-Oct-08 14:10 RMP
120-82-1	1,2,4-Trichlorobenzene	1		ND	0.00595	14.0	23-Oct-08 14:10 RMP

Protocol 11/5/2008 13:28:37

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-06
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645520
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
71-55-6	1,1,1-Trichloroethane	1		ND	0.00595	4.00	23-Oct-08 14:10	RMP
79-00-5	1,1,2-Trichloroethane	1		ND	0.00595	0.0580	23-Oct-08 14:10	RMP
79-01-6	Trichloroethene	1		ND	0.00595	0.0730	23-Oct-08 14:10	RMP
75-69-4	Trichlorofluoromethane	1		ND	0.00595	37.0	23-Oct-08 14:10	RMP
75-01-4	Vinyl chloride	1		ND	0.00238	0.0130	23-Oct-08 14:10	RMP
	m&p-Xylene	1		ND	0.00595	18.0	23-Oct-08 14:10	RMP
95-47-6	o-Xylene	1		ND	0.00595	18.0	23-Oct-08 14:10	RMP

40 compound(s) reported

Protocol 11/5/2008 13:28:37

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-07
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645521
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108753
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
83-32-9	Acenaphthene	1		ND	0.330	220.	17-Oct-08 22:45 JAM
208-96-8	Acenaphthylene	1		ND	0.330	88.0	17-Oct-08 22:45 JAM
62-53-3	Aniline	1		ND	0.330	0.0650	17-Oct-08 22:45 JAM
120-12-7	Anthracene	1		ND	0.330	120.	17-Oct-08 22:45 JAM
56-55-3	Benzo(a)anthracene	1		ND	0.330	0.620	17-Oct-08 22:45 JAM
205-99-2	Benzo(b)fluoranthene	1		ND	0.330	0.620	17-Oct-08 22:45 JAM
207-08-9	Benzo(k)fluoranthene	1		ND	0.330	6.20	17-Oct-08 22:45 JAM
50-32-8	Benzo(a)pyrene	1		ND	0.330	0.330	17-Oct-08 22:45 JAM
92-52-4	Biphenyl (Diphenyl)	1		ND	0.330	190.	17-Oct-08 22:45 JAM
85-68-7	Butylbenzylphthalate	1		ND	0.330	220.	17-Oct-08 22:45 JAM
88-85-7	Dinoseb	1		ND	0.330	0.140	17-Oct-08 22:45 JAM
106-47-8	3&4-Chloroaniline	1		ND	0.330	1.50	17-Oct-08 22:45 JAM
111-44-4	bis(2-Chloroethyl) ether	1		ND	0.330	0.330	17-Oct-08 22:45 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1		ND	0.330	0.800	17-Oct-08 22:45 JAM
91-58-7	2-Chloronaphthalene	1		ND	0.330	500.	17-Oct-08 22:45 JAM
95-57-8	2-Chlorophenol	1		ND	0.330	1.40	17-Oct-08 22:45 JAM
218-01-9	Chrysene	1		ND	0.330	62.0	17-Oct-08 22:45 JAM
53-70-3	Dibenz(a,h)anthracene	1		ND	0.330	0.330	17-Oct-08 22:45 JAM
132-64-9	Dibenzofuran	1		ND	0.330	24.0	17-Oct-08 22:45 JAM
95-50-1	1,2-Dichlorobenzene	1		ND	0.330	29.0	17-Oct-08 22:45 JAM
541-73-1	1,3-Dichlorobenzene	1		ND	0.330	2.10	17-Oct-08 22:45 JAM
106-46-7	1,4-Dichlorobenzene	1		ND	0.330	5.70	17-Oct-08 22:45 JAM
91-94-1	3,3'-Dichlorobenzidine	1		ND	0.667	0.970	17-Oct-08 22:45 JAM
120-83-2	2,4-Dichlorophenol	1		ND	0.330	12.0	17-Oct-08 22:45 JAM
84-66-2	Diethylphthalate	1		ND	0.330	360.	17-Oct-08 22:45 JAM
105-67-9	2,4-Dimethylphenol	1		ND	0.330	20.0	17-Oct-08 22:45 JAM
131-11-3	Dimethylphthalate	1		ND	0.330	1500	17-Oct-08 22:45 JAM
99-65-0	1,3-Dinitrobenzene	1		ND	0.330	0.250	17-Oct-08 22:45 JAM
51-28-5	2,4-Dinitrophenol	1		ND	0.330	1.70	17-Oct-08 22:45 JAM
121-14-2	2,4-Dinitrotoluene	1		ND	0.330	1.00	17-Oct-08 22:45 JAM
606-20-2	2,6-Dinitrotoluene	1		ND	0.330	0.390	17-Oct-08 22:45 JAM
117-84-0	Di-n-octylphthalate	1		ND	0.330	240.	17-Oct-08 22:45 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	A25	ND	0.330	35.0	17-Oct-08 22:45 JAM

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ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-07
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645521
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108753
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
206-44-0	Fluoranthene	1		ND	0.330	220.	17-Oct-08 22:45 JAM
86-73-7	Fluorene	1		ND	0.330	230.	17-Oct-08 22:45 JAM
118-74-1	Hexachlorobenzene	1		ND	0.330	0.340	17-Oct-08 22:45 JAM
87-68-3	Hexachloro-1,3-butadiene	1		ND	0.330	0.820	17-Oct-08 22:45 JAM
77-47-4	Hexachlorocyclopentadiene	1		ND	0.330	1.40	17-Oct-08 22:45 JAM
67-72-1	Hexachloroethane	1		ND	0.330	2.20	17-Oct-08 22:45 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1		ND	0.330	0.620	17-Oct-08 22:45 JAM
78-59-1	Isophorone	1		ND	0.330	0.560	17-Oct-08 22:45 JAM
91-57-6	2-Methylnaphthalene	1		ND	0.330	1.70	17-Oct-08 22:45 JAM
91-20-3	Naphthalene	1		ND	0.330	1.50	17-Oct-08 22:45 JAM
88-74-4	2-Nitroaniline	1		ND	0.330	1.70	17-Oct-08 22:45 JAM
99-09-2	3-Nitroaniline	1		ND	0.330	1.70	17-Oct-08 22:45 JAM
100-01-6	4-Nitroaniline	1		ND	0.330	1.70	17-Oct-08 22:45 JAM
98-95-3	Nitrobenzene	1		ND	0.330	0.330	17-Oct-08 22:45 JAM
100-02-7	4-Nitrophenol	1		ND	0.330	2.60	17-Oct-08 22:45 JAM
621-64-7	N-Nitroso-di-n-propylamine	1		ND	0.330	0.330	17-Oct-08 22:45 JAM
86-30-6	N-Nitrosodiphenylamine	1	A10	ND	0.330	2.10	17-Oct-08 22:45 JAM
87-86-5	Pentachlorophenol	1		ND	0.330	1.70	17-Oct-08 22:45 JAM
85-01-8	Phenanthrene	1		ND	0.330	660.	17-Oct-08 22:45 JAM
108-95-2	Phenol	1		ND	0.330	11.0	17-Oct-08 22:45 JAM
129-00-0	Pyrene	1		ND	0.330	230.	17-Oct-08 22:45 JAM
95-94-3	1,2,4,5-Tetrachlorobenzene	1		ND	0.330	1.20	17-Oct-08 22:45 JAM
58-90-2	2,3,4,6-Tetrachlorophenol	1		ND	0.330	31.0	17-Oct-08 22:45 JAM
95-95-4	2,4,5-Trichlorophenol	1		ND	0.330	320.	17-Oct-08 22:45 JAM
88-06-2	2,4,6-Trichlorophenol	1		ND	0.330	1.30	17-Oct-08 22:45 JAM

58 compound(s) reported

Protocol 11/5/2008 13:28:37

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-07
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645521
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
67-64-1	Acetone	1	A11	0.0591	0.0115	1.50	23-Oct-08 14:32 RMP
71-43-2	Benzene	1		ND	0.00577	0.0510	23-Oct-08 14:32 RMP
75-27-4	Bromodichloromethane	1		ND	0.00577	0.920	23-Oct-08 14:32 RMP
75-25-2	Bromoform	1		ND	0.00577	1.80	23-Oct-08 14:32 RMP
74-83-9	Bromomethane	1		ND	0.00577	0.0400	23-Oct-08 14:32 RMP
78-93-3	2-Butanone (MEK)	1	A11	ND	0.0115	5.00	23-Oct-08 14:32 RMP
75-15-0	Carbon disulfide	1		0.0119	0.00577	11.0	23-Oct-08 14:32 RMP
56-23-5	Carbon tetrachloride	1		ND	0.00577	0.110	23-Oct-08 14:32 RMP
108-90-7	Chlorobenzene	1		ND	0.00577	3.00	23-Oct-08 14:32 RMP
75-00-3	Chloroethane	1		ND	0.00577	0.0350	23-Oct-08 14:32 RMP
67-66-3	Chloroform	1		ND	0.00577	0.0440	23-Oct-08 14:32 RMP
74-87-3	Chloromethane	1		ND	0.00577	0.100	23-Oct-08 14:32 RMP
124-48-1	Dibromochloromethane	1		ND	0.00577	1.00	23-Oct-08 14:32 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1		ND	0.00577	0.0100	23-Oct-08 14:32 RMP
75-34-3	1,1-Dichloroethane	1		ND	0.00577	7.50	23-Oct-08 14:32 RMP
107-06-2	1,2-Dichloroethane	1		ND	0.00577	0.0350	23-Oct-08 14:32 RMP
75-35-4	1,1-Dichloroethene	1		ND	0.00577	0.0850	23-Oct-08 14:32 RMP
156-59-2	cis-1,2-Dichloroethene	1		ND	0.00577	0.490	23-Oct-08 14:32 RMP
156-60-5	trans-1,2-Dichloroethene	1		ND	0.00577	0.770	23-Oct-08 14:32 RMP
78-87-5	1,2-Dichloropropane	1		ND	0.00577	0.0420	23-Oct-08 14:32 RMP
10061-01-5	cis-1,3-Dichloropropene	1		ND	0.00577	0.0400	23-Oct-08 14:32 RMP
10061-02-6	trans-1,3-Dichloropropene	1		ND	0.00577	0.0400	23-Oct-08 14:32 RMP
100-41-4	Ethylbenzene	1		ND	0.00577	19.0	23-Oct-08 14:32 RMP
1634-04-4	Methyl-tert-butyl ether	1		ND	0.00577	0.0770	23-Oct-08 14:32 RMP
75-09-2	Methylene chloride	1	A11	ND	0.00577	0.0170	23-Oct-08 14:32 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1		ND	0.0115	6.40	23-Oct-08 14:32 RMP
78-83-1	Isobutanol	1		ND	0.289	30.0	23-Oct-08 14:32 RMP
100-42-5	Styrene	1		ND	0.00577	11.0	23-Oct-08 14:32 RMP
630-20-6	1,1,1,2-Tetrachloroethane	1		ND	0.00577	0.0460	23-Oct-08 14:32 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1		ND	0.00577	0.00600	23-Oct-08 14:32 RMP
127-18-4	Tetrachloroethene	1		ND	0.00577	0.180	23-Oct-08 14:32 RMP
108-88-3	Toluene	1		ND	0.00577	20.0	23-Oct-08 14:32 RMP
120-82-1	1,2,4-Trichlorobenzene	1		ND	0.00577	14.0	23-Oct-08 14:32 RMP

Protocol 11/5/2008 13:28:37

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-07
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645521
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
71-55-6	1,1,1-Trichloroethane	1		ND	0.00577	4.00	23-Oct-08 14:32 RMP
79-00-5	1,1,2-Trichloroethane	1		ND	0.00577	0.0580	23-Oct-08 14:32 RMP
79-01-6	Trichloroethene	1		ND	0.00577	0.0730	23-Oct-08 14:32 RMP
75-69-4	Trichlorofluoromethane	1		ND	0.00577	37.0	23-Oct-08 14:32 RMP
75-01-4	Vinyl chloride	1		ND	0.00231	0.0130	23-Oct-08 14:32 RMP
	m&p-Xylene	1		ND	0.00577	18.0	23-Oct-08 14:32 RMP
95-47-6	o-Xylene	1		ND	0.00577	18.0	23-Oct-08 14:32 RMP

40 compound(s) reported

Protocol 11/5/2008 13:28:37

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For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645522
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108753
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
83-32-9	Acenaphthene	1		ND	0.330	220.	17-Oct-08 23:23 JAM
208-96-8	Acenaphthylene	1		ND	0.330	88.0	17-Oct-08 23:23 JAM
62-53-3	Aniline	1		ND	0.330	0.0650	17-Oct-08 23:23 JAM
120-12-7	Anthracene	1		ND	0.330	120.	17-Oct-08 23:23 JAM
56-55-3	Benzo(a)anthracene	1		ND	0.330	0.620	17-Oct-08 23:23 JAM
205-99-2	Benzo(b)fluoranthene	1		0.357	0.330	0.620	17-Oct-08 23:23 JAM
207-08-9	Benzo(k)fluoranthene	1		ND	0.330	6.20	17-Oct-08 23:23 JAM
50-32-8	Benzo(a)pyrene	1		ND	0.330	0.330	17-Oct-08 23:23 JAM
92-52-4	Biphenyl (Diphenyl)	1		ND	0.330	190.	17-Oct-08 23:23 JAM
85-68-7	Butylbenzylphthalate	1		ND	0.330	220.	17-Oct-08 23:23 JAM
88-85-7	Dinoseb	1		ND	0.330	0.140	17-Oct-08 23:23 JAM
106-47-8	3&4-Chloroaniline	1		ND	0.330	1.50	17-Oct-08 23:23 JAM
111-44-4	bis(2-Chloroethyl) ether	1		ND	0.330	0.330	17-Oct-08 23:23 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1		ND	0.330	0.800	17-Oct-08 23:23 JAM
91-58-7	2-Chloronaphthalene	1		ND	0.330	500.	17-Oct-08 23:23 JAM
95-57-8	2-Chlorophenol	1		ND	0.330	1.40	17-Oct-08 23:23 JAM
218-01-9	Chrysene	1		ND	0.330	62.0	17-Oct-08 23:23 JAM
53-70-3	Dibenz(a,h)anthracene	1		ND	0.330	0.330	17-Oct-08 23:23 JAM
132-64-9	Dibenzofuran	1		ND	0.330	24.0	17-Oct-08 23:23 JAM
95-50-1	1,2-Dichlorobenzene	1		ND	0.330	29.0	17-Oct-08 23:23 JAM
541-73-1	1,3-Dichlorobenzene	1		ND	0.330	2.10	17-Oct-08 23:23 JAM
106-46-7	1,4-Dichlorobenzene	1		ND	0.330	5.70	17-Oct-08 23:23 JAM
91-94-1	3,3'-Dichlorobenzidine	1		ND	0.667	0.970	17-Oct-08 23:23 JAM
120-83-2	2,4-Dichlorophenol	1		ND	0.330	12.0	17-Oct-08 23:23 JAM
84-66-2	Diethylphthalate	1		ND	0.330	360.	17-Oct-08 23:23 JAM
105-67-9	2,4-Dimethylphenol	1		ND	0.330	20.0	17-Oct-08 23:23 JAM
131-11-3	Dimethylphthalate	1		ND	0.330	1500	17-Oct-08 23:23 JAM
99-65-0	1,3-Dinitrobenzene	1		ND	0.330	0.250	17-Oct-08 23:23 JAM
51-28-5	2,4-Dinitrophenol	1		ND	0.330	1.70	17-Oct-08 23:23 JAM
121-14-2	2,4-Dinitrotoluene	1		ND	0.330	1.00	17-Oct-08 23:23 JAM
606-20-2	2,6-Dinitrotoluene	1		ND	0.330	0.390	17-Oct-08 23:23 JAM
117-84-0	Di-n-octylphthalate	1		ND	0.330	240.	17-Oct-08 23:23 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	A25	ND	0.330	35.0	17-Oct-08 23:23 JAM

Protocol 11/5/2008 13:28:37

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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645522
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108753
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
206-44-0	Fluoranthene	1		ND	0.330	220.	17-Oct-08 23:23 JAM
86-73-7	Fluorene	1		ND	0.330	230.	17-Oct-08 23:23 JAM
118-74-1	Hexachlorobenzene	1		ND	0.330	0.340	17-Oct-08 23:23 JAM
87-68-3	Hexachloro-1,3-butadiene	1		ND	0.330	0.820	17-Oct-08 23:23 JAM
77-47-4	Hexachlorocyclopentadiene	1		ND	0.330	1.40	17-Oct-08 23:23 JAM
67-72-1	Hexachloroethane	1		ND	0.330	2.20	17-Oct-08 23:23 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1		ND	0.330	0.620	17-Oct-08 23:23 JAM
78-59-1	Isophorone	1		ND	0.330	0.560	17-Oct-08 23:23 JAM
91-57-6	2-Methylnaphthalene	1		ND	0.330	1.70	17-Oct-08 23:23 JAM
91-20-3	Naphthalene	1		ND	0.330	1.50	17-Oct-08 23:23 JAM
88-74-4	2-Nitroaniline	1		ND	0.330	1.70	17-Oct-08 23:23 JAM
99-09-2	3-Nitroaniline	1		ND	0.330	1.70	17-Oct-08 23:23 JAM
100-01-6	4-Nitroaniline	1		ND	0.330	1.70	17-Oct-08 23:23 JAM
98-95-3	Nitrobenzene	1		ND	0.330	0.330	17-Oct-08 23:23 JAM
100-02-7	4-Nitrophenol	1		ND	0.330	2.60	17-Oct-08 23:23 JAM
621-64-7	N-Nitroso-di-n-propylamine	1		ND	0.330	0.330	17-Oct-08 23:23 JAM
86-30-6	N-Nitrosodiphenylamine	1	A10	ND	0.330	2.10	17-Oct-08 23:23 JAM
87-86-5	Pentachlorophenol	1		ND	0.330	1.70	17-Oct-08 23:23 JAM
85-01-8	Phenanthrene	1		ND	0.330	660.	17-Oct-08 23:23 JAM
108-95-2	Phenol	1		ND	0.330	11.0	17-Oct-08 23:23 JAM
129-00-0	Pyrene	1		ND	0.330	230.	17-Oct-08 23:23 JAM
95-94-3	1,2,4,5-Tetrachlorobenzene	1		ND	0.330	1.20	17-Oct-08 23:23 JAM
58-90-2	2,3,4,6-Tetrachlorophenol	1		ND	0.330	31.0	17-Oct-08 23:23 JAM
95-95-4	2,4,5-Trichlorophenol	1		ND	0.330	320.	17-Oct-08 23:23 JAM
88-06-2	2,4,6-Trichlorophenol	1		ND	0.330	1.30	17-Oct-08 23:23 JAM

58 compound(s) reported

Protocol 11/5/2008 13:28:37

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645522
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
67-64-1	Acetone	1	A11	0.0729	0.0132	1.50	23-Oct-08 14:53 RMP
71-43-2	Benzene	1		ND	0.00658	0.0510	23-Oct-08 14:53 RMP
75-27-4	Bromodichloromethane	1		ND	0.00658	0.920	23-Oct-08 14:53 RMP
75-25-2	Bromoform	1		ND	0.00658	1.80	23-Oct-08 14:53 RMP
74-83-9	Bromomethane	1		ND	0.00658	0.0400	23-Oct-08 14:53 RMP
78-93-3	2-Butanone (MEK)	1	A11	ND	0.0132	5.00	23-Oct-08 14:53 RMP
75-15-0	Carbon disulfide	1		0.0180	0.00658	11.0	23-Oct-08 14:53 RMP
56-23-5	Carbon tetrachloride	1		ND	0.00658	0.110	23-Oct-08 14:53 RMP
108-90-7	Chlorobenzene	1		ND	0.00658	3.00	23-Oct-08 14:53 RMP
75-00-3	Chloroethane	1		ND	0.00658	0.0350	23-Oct-08 14:53 RMP
67-66-3	Chloroform	1		ND	0.00658	0.0440	23-Oct-08 14:53 RMP
74-87-3	Chloromethane	1		ND	0.00658	0.100	23-Oct-08 14:53 RMP
124-48-1	Dibromochloromethane	1		ND	0.00658	1.00	23-Oct-08 14:53 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1		ND	0.00658	0.0100	23-Oct-08 14:53 RMP
75-34-3	1,1-Dichloroethane	1		ND	0.00658	7.50	23-Oct-08 14:53 RMP
107-06-2	1,2-Dichloroethane	1		ND	0.00658	0.0350	23-Oct-08 14:53 RMP
75-35-4	1,1-Dichloroethene	1		ND	0.00658	0.0850	23-Oct-08 14:53 RMP
156-59-2	cis-1,2-Dichloroethene	1		ND	0.00658	0.490	23-Oct-08 14:53 RMP
156-60-5	trans-1,2-Dichloroethene	1		ND	0.00658	0.770	23-Oct-08 14:53 RMP
78-87-5	1,2-Dichloropropane	1		ND	0.00658	0.0420	23-Oct-08 14:53 RMP
10061-01-5	cis-1,3-Dichloropropene	1		ND	0.00658	0.0400	23-Oct-08 14:53 RMP
10061-02-6	trans-1,3-Dichloropropene	1		ND	0.00658	0.0400	23-Oct-08 14:53 RMP
100-41-4	Ethylbenzene	1		ND	0.00658	19.0	23-Oct-08 14:53 RMP
1634-04-4	Methyl-tert-butyl ether	1		ND	0.00658	0.0770	23-Oct-08 14:53 RMP
75-09-2	Methylene chloride	1	A11	ND	0.00658	0.0170	23-Oct-08 14:53 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1		ND	0.0132	6.40	23-Oct-08 14:53 RMP
78-83-1	Isobutanol	1		ND	0.329	30.0	23-Oct-08 14:53 RMP
100-42-5	Styrene	1		ND	0.00658	11.0	23-Oct-08 14:53 RMP
630-20-6	1,1,1,2-Tetrachloroethane	1		ND	0.00658	0.0460	23-Oct-08 14:53 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1		ND	0.00658	0.00600	23-Oct-08 14:53 RMP
127-18-4	Tetrachloroethene	1		ND	0.00658	0.180	23-Oct-08 14:53 RMP
108-88-3	Toluene	1		ND	0.00658	20.0	23-Oct-08 14:53 RMP
120-82-1	1,2,4-Trichlorobenzene	1		ND	0.00658	14.0	23-Oct-08 14:53 RMP

Protocol 11/5/2008 13:28:37

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645522
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
71-55-6	1,1,1-Trichloroethane	1		ND	0.00658	4.00	23-Oct-08 14:53 RMP
79-00-5	1,1,2-Trichloroethane	1		ND	0.00658	0.0580	23-Oct-08 14:53 RMP
79-01-6	Trichloroethene	1		ND	0.00658	0.0730	23-Oct-08 14:53 RMP
75-69-4	Trichlorofluoromethane	1		ND	0.00658	37.0	23-Oct-08 14:53 RMP
75-01-4	Vinyl chloride	1		ND	0.00263	0.0130	23-Oct-08 14:53 RMP
	m&p-Xylene	1		ND	0.00658	18.0	23-Oct-08 14:53 RMP
95-47-6	o-Xylene	1		ND	0.00658	18.0	23-Oct-08 14:53 RMP

40 compound(s) reported

Protocol 11/5/2008 13:28:37

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-09
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645523
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108753
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
83-32-9	Acenaphthene	1		ND	0.330	220.	17-Oct-08 23:50 JAM
208-96-8	Acenaphthylene	1		ND	0.330	88.0	17-Oct-08 23:50 JAM
62-53-3	Aniline	1		ND	0.330	0.0650	17-Oct-08 23:50 JAM
120-12-7	Anthracene	1		ND	0.330	120.	17-Oct-08 23:50 JAM
56-55-3	Benzo(a)anthracene	1		ND	0.330	0.620	17-Oct-08 23:50 JAM
205-99-2	Benzo(b)fluoranthene	1		ND	0.330	0.620	17-Oct-08 23:50 JAM
207-08-9	Benzo(k)fluoranthene	1		ND	0.330	6.20	17-Oct-08 23:50 JAM
50-32-8	Benzo(a)pyrene	1		ND	0.330	0.330	17-Oct-08 23:50 JAM
92-52-4	Biphenyl (Diphenyl)	1		ND	0.330	190.	17-Oct-08 23:50 JAM
85-68-7	Butylbenzylphthalate	1		ND	0.330	220.	17-Oct-08 23:50 JAM
88-85-7	Dinoseb	1		ND	0.330	0.140	17-Oct-08 23:50 JAM
106-47-8	3&4-Chloroaniline	1		ND	0.330	1.50	17-Oct-08 23:50 JAM
111-44-4	bis(2-Chloroethyl) ether	1		ND	0.330	0.330	17-Oct-08 23:50 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1		ND	0.330	0.800	17-Oct-08 23:50 JAM
91-58-7	2-Chloronaphthalene	1		ND	0.330	500.	17-Oct-08 23:50 JAM
95-57-8	2-Chlorophenol	1		ND	0.330	1.40	17-Oct-08 23:50 JAM
218-01-9	Chrysene	1		ND	0.330	62.0	17-Oct-08 23:50 JAM
53-70-3	Dibenz(a,h)anthracene	1		ND	0.330	0.330	17-Oct-08 23:50 JAM
132-64-9	Dibenzofuran	1		ND	0.330	24.0	17-Oct-08 23:50 JAM
95-50-1	1,2-Dichlorobenzene	1		ND	0.330	29.0	17-Oct-08 23:50 JAM
541-73-1	1,3-Dichlorobenzene	1		ND	0.330	2.10	17-Oct-08 23:50 JAM
106-46-7	1,4-Dichlorobenzene	1		ND	0.330	5.70	17-Oct-08 23:50 JAM
91-94-1	3,3'-Dichlorobenzidine	1		ND	0.667	0.970	17-Oct-08 23:50 JAM
120-83-2	2,4-Dichlorophenol	1		ND	0.330	12.0	17-Oct-08 23:50 JAM
84-66-2	Diethylphthalate	1		ND	0.330	360.	17-Oct-08 23:50 JAM
105-67-9	2,4-Dimethylphenol	1		ND	0.330	20.0	17-Oct-08 23:50 JAM
131-11-3	Dimethylphthalate	1		ND	0.330	1500	17-Oct-08 23:50 JAM
99-65-0	1,3-Dinitrobenzene	1		ND	0.330	0.250	17-Oct-08 23:50 JAM
51-28-5	2,4-Dinitrophenol	1		ND	0.330	1.70	17-Oct-08 23:50 JAM
121-14-2	2,4-Dinitrotoluene	1		ND	0.330	1.00	17-Oct-08 23:50 JAM
606-20-2	2,6-Dinitrotoluene	1		ND	0.330	0.390	17-Oct-08 23:50 JAM
117-84-0	Di-n-octylphthalate	1		ND	0.330	240.	17-Oct-08 23:50 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	A25	ND	0.330	35.0	17-Oct-08 23:50 JAM

Protocol 11/5/2008 13:28:37

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-09
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645523
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108753
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
206-44-0	Fluoranthene	1		ND	0.330	220.	17-Oct-08 23:50 JAM
86-73-7	Fluorene	1		ND	0.330	230.	17-Oct-08 23:50 JAM
118-74-1	Hexachlorobenzene	1		ND	0.330	0.340	17-Oct-08 23:50 JAM
87-68-3	Hexachloro-1,3-butadiene	1		ND	0.330	0.820	17-Oct-08 23:50 JAM
77-47-4	Hexachlorocyclopentadiene	1		ND	0.330	1.40	17-Oct-08 23:50 JAM
67-72-1	Hexachloroethane	1		ND	0.330	2.20	17-Oct-08 23:50 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1		ND	0.330	0.620	17-Oct-08 23:50 JAM
78-59-1	Isophorone	1		ND	0.330	0.560	17-Oct-08 23:50 JAM
91-57-6	2-Methylnaphthalene	1		ND	0.330	1.70	17-Oct-08 23:50 JAM
91-20-3	Naphthalene	1		ND	0.330	1.50	17-Oct-08 23:50 JAM
88-74-4	2-Nitroaniline	1		ND	0.330	1.70	17-Oct-08 23:50 JAM
99-09-2	3-Nitroaniline	1		ND	0.330	1.70	17-Oct-08 23:50 JAM
100-01-6	4-Nitroaniline	1		ND	0.330	1.70	17-Oct-08 23:50 JAM
98-95-3	Nitrobenzene	1		ND	0.330	0.330	17-Oct-08 23:50 JAM
100-02-7	4-Nitrophenol	1		ND	0.330	2.60	17-Oct-08 23:50 JAM
621-64-7	N-Nitroso-di-n-propylamine	1		ND	0.330	0.330	17-Oct-08 23:50 JAM
86-30-6	N-Nitrosodiphenylamine	1	A10	ND	0.330	2.10	17-Oct-08 23:50 JAM
87-86-5	Pentachlorophenol	1		ND	0.330	1.70	17-Oct-08 23:50 JAM
85-01-8	Phenanthrene	1		ND	0.330	660.	17-Oct-08 23:50 JAM
108-95-2	Phenol	1		ND	0.330	11.0	17-Oct-08 23:50 JAM
129-00-0	Pyrene	1		ND	0.330	230.	17-Oct-08 23:50 JAM
95-94-3	1,2,4,5-Tetrachlorobenzene	1		ND	0.330	1.20	17-Oct-08 23:50 JAM
58-90-2	2,3,4,6-Tetrachlorophenol	1		ND	0.330	31.0	17-Oct-08 23:50 JAM
95-95-4	2,4,5-Trichlorophenol	1		ND	0.330	320.	17-Oct-08 23:50 JAM
88-06-2	2,4,6-Trichlorophenol	1		ND	0.330	1.30	17-Oct-08 23:50 JAM

58 compound(s) reported

Protocol 11/5/2008 13:28:37

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MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-09
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645523
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
67-64-1	Acetone	1	A11	0.0538	0.0117	1.50	23-Oct-08 15:14 RMP
71-43-2	Benzene	1		ND	0.00584	0.0510	23-Oct-08 15:14 RMP
75-27-4	Bromodichloromethane	1		ND	0.00584	0.920	23-Oct-08 15:14 RMP
75-25-2	Bromoform	1		ND	0.00584	1.80	23-Oct-08 15:14 RMP
74-83-9	Bromomethane	1		ND	0.00584	0.0400	23-Oct-08 15:14 RMP
78-93-3	2-Butanone (MEK)	1	A11	ND	0.0117	5.00	23-Oct-08 15:14 RMP
75-15-0	Carbon disulfide	1		0.0128	0.00584	11.0	23-Oct-08 15:14 RMP
56-23-5	Carbon tetrachloride	1		ND	0.00584	0.110	23-Oct-08 15:14 RMP
108-90-7	Chlorobenzene	1		ND	0.00584	3.00	23-Oct-08 15:14 RMP
75-00-3	Chloroethane	1		ND	0.00584	0.0350	23-Oct-08 15:14 RMP
67-66-3	Chloroform	1		ND	0.00584	0.0440	23-Oct-08 15:14 RMP
74-87-3	Chloromethane	1		ND	0.00584	0.100	23-Oct-08 15:14 RMP
124-48-1	Dibromochloromethane	1		ND	0.00584	1.00	23-Oct-08 15:14 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1		ND	0.00584	0.0100	23-Oct-08 15:14 RMP
75-34-3	1,1-Dichloroethane	1		ND	0.00584	7.50	23-Oct-08 15:14 RMP
107-06-2	1,2-Dichloroethane	1		ND	0.00584	0.0350	23-Oct-08 15:14 RMP
75-35-4	1,1-Dichloroethene	1		ND	0.00584	0.0850	23-Oct-08 15:14 RMP
156-59-2	cis-1,2-Dichloroethene	1		ND	0.00584	0.490	23-Oct-08 15:14 RMP
156-60-5	trans-1,2-Dichloroethene	1		ND	0.00584	0.770	23-Oct-08 15:14 RMP
78-87-5	1,2-Dichloropropane	1		ND	0.00584	0.0420	23-Oct-08 15:14 RMP
10061-01-5	cis-1,3-Dichloropropene	1		ND	0.00584	0.0400	23-Oct-08 15:14 RMP
10061-02-6	trans-1,3-Dichloropropene	1		ND	0.00584	0.0400	23-Oct-08 15:14 RMP
100-41-4	Ethylbenzene	1		ND	0.00584	19.0	23-Oct-08 15:14 RMP
1634-04-4	Methyl-tert-butyl ether	1		ND	0.00584	0.0770	23-Oct-08 15:14 RMP
75-09-2	Methylene chloride	1	A11	ND	0.00584	0.0170	23-Oct-08 15:14 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1		ND	0.0117	6.40	23-Oct-08 15:14 RMP
78-83-1	Isobutanol	1		ND	0.292	30.0	23-Oct-08 15:14 RMP
100-42-5	Styrene	1		ND	0.00584	11.0	23-Oct-08 15:14 RMP
630-20-6	1,1,1,2-Tetrachloroethane	1		ND	0.00584	0.0460	23-Oct-08 15:14 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1		ND	0.00584	0.00600	23-Oct-08 15:14 RMP
127-18-4	Tetrachloroethene	1		ND	0.00584	0.180	23-Oct-08 15:14 RMP
108-88-3	Toluene	1		ND	0.00584	20.0	23-Oct-08 15:14 RMP
120-82-1	1,2,4-Trichlorobenzene	1		ND	0.00584	14.0	23-Oct-08 15:14 RMP

Protocol 11/5/2008 13:28:37

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-09
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645523
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
71-55-6	1,1,1-Trichloroethane	1		ND	0.00584	4.00	23-Oct-08 15:14 RMP
79-00-5	1,1,2-Trichloroethane	1		ND	0.00584	0.0580	23-Oct-08 15:14 RMP
79-01-6	Trichloroethene	1		ND	0.00584	0.0730	23-Oct-08 15:14 RMP
75-69-4	Trichlorofluoromethane	1		ND	0.00584	37.0	23-Oct-08 15:14 RMP
75-01-4	Vinyl chloride	1		ND	0.00234	0.0130	23-Oct-08 15:14 RMP
	m&p-Xylene	1		ND	0.00584	18.0	23-Oct-08 15:14 RMP
95-47-6	o-Xylene	1		ND	0.00584	18.0	23-Oct-08 15:14 RMP

40 compound(s) reported

Protocol 11/5/2008 13:28:37

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-10
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645524
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108753
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
83-32-9	Acenaphthene	1	N	ND	0.330	220.	17-Oct-08 19:30 JAM
208-96-8	Acenaphthylene	1	N	ND	0.330	88.0	17-Oct-08 19:30 JAM
62-53-3	Aniline	1	N	ND	0.330	0.0650	17-Oct-08 19:30 JAM
120-12-7	Anthracene	1	N	ND	0.330	120.	17-Oct-08 19:30 JAM
56-55-3	Benzo(a)anthracene	1	N	ND	0.330	0.620	17-Oct-08 19:30 JAM
205-99-2	Benzo(b)fluoranthene	1	N	ND	0.330	0.620	17-Oct-08 19:30 JAM
207-08-9	Benzo(k)fluoranthene	1	N	ND	0.330	6.20	17-Oct-08 19:30 JAM
50-32-8	Benzo(a)pyrene	1	N	ND	0.330	0.330	17-Oct-08 19:30 JAM
92-52-4	Biphenyl (Diphenyl)	1	N	ND	0.330	190.	17-Oct-08 19:30 JAM
85-68-7	Butylbenzylphthalate	1	N	ND	0.330	220.	17-Oct-08 19:30 JAM
88-85-7	Dinoseb	1	N	ND	0.330	0.140	17-Oct-08 19:30 JAM
106-47-8	3&4-Chloroaniline	1	N	ND	0.330	1.50	17-Oct-08 19:30 JAM
111-44-4	bis(2-Chloroethyl) ether	1	N	ND	0.330	0.330	17-Oct-08 19:30 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1	N	ND	0.330	0.800	17-Oct-08 19:30 JAM
91-58-7	2-Chloronaphthalene	1	N	ND	0.330	500.	17-Oct-08 19:30 JAM
95-57-8	2-Chlorophenol	1	N	ND	0.330	1.40	17-Oct-08 19:30 JAM
218-01-9	Chrysene	1	N	ND	0.330	62.0	17-Oct-08 19:30 JAM
53-70-3	Dibenz(a,h)anthracene	1	N	ND	0.330	0.330	17-Oct-08 19:30 JAM
132-64-9	Dibenzofuran	1	N	ND	0.330	24.0	17-Oct-08 19:30 JAM
95-50-1	1,2-Dichlorobenzene	1	N	ND	0.330	29.0	17-Oct-08 19:30 JAM
541-73-1	1,3-Dichlorobenzene	1	N	ND	0.330	2.10	17-Oct-08 19:30 JAM
106-46-7	1,4-Dichlorobenzene	1	N	ND	0.330	5.70	17-Oct-08 19:30 JAM
91-94-1	3,3'-Dichlorobenzidine	1	N	ND	0.667	0.970	17-Oct-08 19:30 JAM
120-83-2	2,4-Dichlorophenol	1	N	ND	0.330	12.0	17-Oct-08 19:30 JAM
84-66-2	Diethylphthalate	1	N	ND	0.330	360.	17-Oct-08 19:30 JAM
105-67-9	2,4-Dimethylphenol	1	N	ND	0.330	20.0	17-Oct-08 19:30 JAM
131-11-3	Dimethylphthalate	1	N	ND	0.330	1500	17-Oct-08 19:30 JAM
99-65-0	1,3-Dinitrobenzene	1	N	ND	0.330	0.250	17-Oct-08 19:30 JAM
51-28-5	2,4-Dinitrophenol	1	N	ND	0.330	1.70	17-Oct-08 19:30 JAM
121-14-2	2,4-Dinitrotoluene	1	N	ND	0.330	1.00	17-Oct-08 19:30 JAM
606-20-2	2,6-Dinitrotoluene	1	N	ND	0.330	0.390	17-Oct-08 19:30 JAM
117-84-0	Di-n-octylphthalate	1	N	ND	0.330	240.	17-Oct-08 19:30 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	N	ND	0.330	35.0	17-Oct-08 19:30 JAM

Protocol 11/5/2008 13:28:37

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Limits are corrected for sample size, dilution and moisture content if applicable.
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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-10
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645524
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108753
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
206-44-0	Fluoranthene	1	N	ND	0.330	220.	17-Oct-08 19:30 JAM
86-73-7	Fluorene	1	N	ND	0.330	230.	17-Oct-08 19:30 JAM
118-74-1	Hexachlorobenzene	1	N	ND	0.330	0.340	17-Oct-08 19:30 JAM
87-68-3	Hexachloro-1,3-butadiene	1	N	ND	0.330	0.820	17-Oct-08 19:30 JAM
77-47-4	Hexachlorocyclopentadiene	1	N	ND	0.330	1.40	17-Oct-08 19:30 JAM
67-72-1	Hexachloroethane	1	N	ND	0.330	2.20	17-Oct-08 19:30 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1	N	ND	0.330	0.620	17-Oct-08 19:30 JAM
78-59-1	Isophorone	1	N	ND	0.330	0.560	17-Oct-08 19:30 JAM
91-57-6	2-Methylnaphthalene	1	N	ND	0.330	1.70	17-Oct-08 19:30 JAM
91-20-3	Naphthalene	1	N	ND	0.330	1.50	17-Oct-08 19:30 JAM
88-74-4	2-Nitroaniline	1	N	ND	0.330	1.70	17-Oct-08 19:30 JAM
99-09-2	3-Nitroaniline	1	N	ND	0.330	1.70	17-Oct-08 19:30 JAM
100-01-6	4-Nitroaniline	1	N	ND	0.330	1.70	17-Oct-08 19:30 JAM
98-95-3	Nitrobenzene	1	N	ND	0.330	0.330	17-Oct-08 19:30 JAM
100-02-7	4-Nitrophenol	1	N	ND	0.330	2.60	17-Oct-08 19:30 JAM
621-64-7	N-Nitroso-di-n-propylamine	1	N	ND	0.330	0.330	17-Oct-08 19:30 JAM
86-30-6	N-Nitrosodiphenylamine	1	N	ND	0.330	2.10	17-Oct-08 19:30 JAM
87-86-5	Pentachlorophenol	1	N	ND	0.330	1.70	17-Oct-08 19:30 JAM
85-01-8	Phenanthrene	1	N	ND	0.330	660.	17-Oct-08 19:30 JAM
108-95-2	Phenol	1	N	ND	0.330	11.0	17-Oct-08 19:30 JAM
129-00-0	Pyrene	1	N	ND	0.330	230.	17-Oct-08 19:30 JAM
95-94-3	1,2,4,5-Tetrachlorobenzene	1	N	ND	0.330	1.20	17-Oct-08 19:30 JAM
58-90-2	2,3,4,6-Tetrachlorophenol	1	N	ND	0.330	31.0	17-Oct-08 19:30 JAM
95-95-4	2,4,5-Trichlorophenol	1	N	ND	0.330	320.	17-Oct-08 19:30 JAM
88-06-2	2,4,6-Trichlorophenol	1	N	ND	0.330	1.30	17-Oct-08 19:30 JAM

58 compound(s) reported

Protocol 11/5/2008 13:28:37

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-10
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645524
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
67-64-1	Acetone	1	A11	0.0545	0.0123	1.50	23-Oct-08 15:35 RMP
71-43-2	Benzene	1		ND	0.00616	0.0510	23-Oct-08 15:35 RMP
75-27-4	Bromodichloromethane	1		ND	0.00616	0.920	23-Oct-08 15:35 RMP
75-25-2	Bromoform	1		ND	0.00616	1.80	23-Oct-08 15:35 RMP
74-83-9	Bromomethane	1		ND	0.00616	0.0400	23-Oct-08 15:35 RMP
78-93-3	2-Butanone (MEK)	1	A11	ND	0.0123	5.00	23-Oct-08 15:35 RMP
75-15-0	Carbon disulfide	1		0.0130	0.00616	11.0	23-Oct-08 15:35 RMP
56-23-5	Carbon tetrachloride	1		ND	0.00616	0.110	23-Oct-08 15:35 RMP
108-90-7	Chlorobenzene	1		ND	0.00616	3.00	23-Oct-08 15:35 RMP
75-00-3	Chloroethane	1		ND	0.00616	0.0350	23-Oct-08 15:35 RMP
67-66-3	Chloroform	1		ND	0.00616	0.0440	23-Oct-08 15:35 RMP
74-87-3	Chloromethane	1		ND	0.00616	0.100	23-Oct-08 15:35 RMP
124-48-1	Dibromochloromethane	1		ND	0.00616	1.00	23-Oct-08 15:35 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1		ND	0.00616	0.0100	23-Oct-08 15:35 RMP
75-34-3	1,1-Dichloroethane	1		ND	0.00616	7.50	23-Oct-08 15:35 RMP
107-06-2	1,2-Dichloroethane	1		ND	0.00616	0.0350	23-Oct-08 15:35 RMP
75-35-4	1,1-Dichloroethene	1		ND	0.00616	0.0850	23-Oct-08 15:35 RMP
156-59-2	cis-1,2-Dichloroethene	1		ND	0.00616	0.490	23-Oct-08 15:35 RMP
156-60-5	trans-1,2-Dichloroethene	1		ND	0.00616	0.770	23-Oct-08 15:35 RMP
78-87-5	1,2-Dichloropropane	1		ND	0.00616	0.0420	23-Oct-08 15:35 RMP
10061-01-5	cis-1,3-Dichloropropene	1		ND	0.00616	0.0400	23-Oct-08 15:35 RMP
10061-02-6	trans-1,3-Dichloropropene	1		ND	0.00616	0.0400	23-Oct-08 15:35 RMP
100-41-4	Ethylbenzene	1		ND	0.00616	19.0	23-Oct-08 15:35 RMP
1634-04-4	Methyl-tert-butyl ether	1		ND	0.00616	0.0770	23-Oct-08 15:35 RMP
75-09-2	Methylene chloride	1	A11	ND	0.00616	0.0170	23-Oct-08 15:35 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1		ND	0.0123	6.40	23-Oct-08 15:35 RMP
78-83-1	Isobutanol	1		ND	0.308	30.0	23-Oct-08 15:35 RMP
100-42-5	Styrene	1		ND	0.00616	11.0	23-Oct-08 15:35 RMP
630-20-6	1,1,1,2-Tetrachloroethane	1		ND	0.00616	0.0460	23-Oct-08 15:35 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1		ND	0.00616	0.00600	23-Oct-08 15:35 RMP
127-18-4	Tetrachloroethene	1		ND	0.00616	0.180	23-Oct-08 15:35 RMP
108-88-3	Toluene	1		ND	0.00616	20.0	23-Oct-08 15:35 RMP
120-82-1	1,2,4-Trichlorobenzene	1		ND	0.00616	14.0	23-Oct-08 15:35 RMP

Protocol 11/5/2008 13:28:37

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MDL denotes method detection limit

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For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-10
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645524
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
71-55-6	1,1,1-Trichloroethane	1		ND	0.00616	4.00	23-Oct-08 15:35 RMP
79-00-5	1,1,2-Trichloroethane	1		ND	0.00616	0.0580	23-Oct-08 15:35 RMP
79-01-6	Trichloroethene	1		ND	0.00616	0.0730	23-Oct-08 15:35 RMP
75-69-4	Trichlorofluoromethane	1		ND	0.00616	37.0	23-Oct-08 15:35 RMP
75-01-4	Vinyl chloride	1		ND	0.00246	0.0130	23-Oct-08 15:35 RMP
	m&p-Xylene	1		ND	0.00616	18.0	23-Oct-08 15:35 RMP
95-47-6	o-Xylene	1		ND	0.00616	18.0	23-Oct-08 15:35 RMP

40 compound(s) reported

Protocol 11/5/2008 13:28:37

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Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-10
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645524RE1
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109005
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 21-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
83-32-9	Acenaphthene	1	M3	ND	0.330	220.	24-Oct-08 14:24 JAM
208-96-8	Acenaphthylene	1	M3	ND	0.330	88.0	24-Oct-08 14:24 JAM
62-53-3	Aniline	1	M3	ND	0.330	0.0650	24-Oct-08 14:24 JAM
120-12-7	Anthracene	1	M3	ND	0.330	120.	24-Oct-08 14:24 JAM
56-55-3	Benzo(a)anthracene	1	M3	ND	0.330	0.620	24-Oct-08 14:24 JAM
205-99-2	Benzo(b)fluoranthene	1	M3	ND	0.330	0.620	24-Oct-08 14:24 JAM
207-08-9	Benzo(k)fluoranthene	1	M3	ND	0.330	6.20	24-Oct-08 14:24 JAM
50-32-8	Benzo(a)pyrene	1	M3	ND	0.330	0.330	24-Oct-08 14:24 JAM
92-52-4	Biphenyl (Diphenyl)	1	M3	ND	0.330	190.	24-Oct-08 14:24 JAM
85-68-7	Butylbenzylphthalate	1	M3	ND	0.330	220.	24-Oct-08 14:24 JAM
88-85-7	Dinoseb	1	M3	ND	0.330	0.140	24-Oct-08 14:24 JAM
106-47-8	3&4-Chloroaniline	1	M3	ND	0.330	1.50	24-Oct-08 14:24 JAM
111-44-4	bis(2-Chloroethyl) ether	1	M3	ND	0.330	0.330	24-Oct-08 14:24 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1	M3	ND	0.330	0.800	24-Oct-08 14:24 JAM
91-58-7	2-Chloronaphthalene	1	M3	ND	0.330	500.	24-Oct-08 14:24 JAM
95-57-8	2-Chlorophenol	1	M3	ND	0.330	1.40	24-Oct-08 14:24 JAM
218-01-9	Chrysene	1	M3	ND	0.330	62.0	24-Oct-08 14:24 JAM
53-70-3	Dibenz(a,h)anthracene	1	M3	ND	0.330	0.330	24-Oct-08 14:24 JAM
132-64-9	Dibenzofuran	1	M3	ND	0.330	24.0	24-Oct-08 14:24 JAM
95-50-1	1,2-Dichlorobenzene	1	M3	ND	0.330	29.0	24-Oct-08 14:24 JAM
541-73-1	1,3-Dichlorobenzene	1	M3	ND	0.330	2.10	24-Oct-08 14:24 JAM
106-46-7	1,4-Dichlorobenzene	1	M3	ND	0.330	5.70	24-Oct-08 14:24 JAM
91-94-1	3,3'-Dichlorobenzidine	1	M3	ND	0.667	0.970	24-Oct-08 14:24 JAM
120-83-2	2,4-Dichlorophenol	1	M3	ND	0.330	12.0	24-Oct-08 14:24 JAM
84-66-2	Diethylphthalate	1	M3	ND	0.330	360.	24-Oct-08 14:24 JAM
105-67-9	2,4-Dimethylphenol	1	M3	ND	0.330	20.0	24-Oct-08 14:24 JAM
131-11-3	Dimethylphthalate	1	M3	ND	0.330	1500	24-Oct-08 14:24 JAM
99-65-0	1,3-Dinitrobenzene	1	M3	ND	0.330	0.250	24-Oct-08 14:24 JAM
51-28-5	2,4-Dinitrophenol	1	M3	ND	0.330	1.70	24-Oct-08 14:24 JAM
121-14-2	2,4-Dinitrotoluene	1	M3	ND	0.330	1.00	24-Oct-08 14:24 JAM
606-20-2	2,6-Dinitrotoluene	1	M3	ND	0.330	0.390	24-Oct-08 14:24 JAM
117-84-0	Di-n-octylphthalate	1	M3	ND	0.330	240.	24-Oct-08 14:24 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	M3	ND	0.330	35.0	24-Oct-08 14:24 JAM

Protocol 11/5/2008 13:28:37

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Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-10
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645524RE1
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109005
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 21-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
206-44-0	Fluoranthene	1	M3	ND	0.330	220.	24-Oct-08 14:24 JAM
86-73-7	Fluorene	1	M3	ND	0.330	230.	24-Oct-08 14:24 JAM
118-74-1	Hexachlorobenzene	1	M3	ND	0.330	0.340	24-Oct-08 14:24 JAM
87-68-3	Hexachloro-1,3-butadiene	1	M3	ND	0.330	0.820	24-Oct-08 14:24 JAM
77-47-4	Hexachlorocyclopentadiene	1	M3	ND	0.330	1.40	24-Oct-08 14:24 JAM
67-72-1	Hexachloroethane	1	M3	ND	0.330	2.20	24-Oct-08 14:24 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1	M3	ND	0.330	0.620	24-Oct-08 14:24 JAM
78-59-1	Isophorone	1	M3	ND	0.330	0.560	24-Oct-08 14:24 JAM
91-57-6	2-Methylnaphthalene	1	M3	ND	0.330	1.70	24-Oct-08 14:24 JAM
91-20-3	Naphthalene	1	M3	ND	0.330	1.50	24-Oct-08 14:24 JAM
88-74-4	2-Nitroaniline	1	M3	ND	0.330	1.70	24-Oct-08 14:24 JAM
99-09-2	3-Nitroaniline	1	M3	ND	0.330	1.70	24-Oct-08 14:24 JAM
100-01-6	4-Nitroaniline	1	M3	ND	0.330	1.70	24-Oct-08 14:24 JAM
98-95-3	Nitrobenzene	1	M3	ND	0.330	0.330	24-Oct-08 14:24 JAM
100-02-7	4-Nitrophenol	1	M3	ND	0.330	2.60	24-Oct-08 14:24 JAM
621-64-7	N-Nitroso-di-n-propylamine	1	M3	ND	0.330	0.330	24-Oct-08 14:24 JAM
86-30-6	N-Nitrosodiphenylamine	1	M3	ND	0.330	2.10	24-Oct-08 14:24 JAM
87-86-5	Pentachlorophenol	1	M3	ND	0.330	1.70	24-Oct-08 14:24 JAM
85-01-8	Phenanthrene	1	M3	ND	0.330	660.	24-Oct-08 14:24 JAM
108-95-2	Phenol	1	M3	ND	0.330	11.0	24-Oct-08 14:24 JAM
129-00-0	Pyrene	1	M3	ND	0.330	230.	24-Oct-08 14:24 JAM
95-94-3	1,2,4,5-Tetrachlorobenzene	1	M3	ND	0.330	1.20	24-Oct-08 14:24 JAM
58-90-2	2,3,4,6-Tetrachlorophenol	1	M3	ND	0.330	31.0	24-Oct-08 14:24 JAM
95-95-4	2,4,5-Trichlorophenol	1	M3	ND	0.330	320.	24-Oct-08 14:24 JAM
88-06-2	2,4,6-Trichlorophenol	1	M3	ND	0.330	1.30	24-Oct-08 14:24 JAM

58 compound(s) reported

Protocol 11/5/2008 13:28:37

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Limits are corrected for sample size, dilution and moisture content if applicable.
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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-03A
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645525
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108753
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
83-32-9	Acenaphthene	1		ND	0.330	220.	18-Oct-08 00:18 JAM
208-96-8	Acenaphthylene	1		ND	0.330	88.0	18-Oct-08 00:18 JAM
62-53-3	Aniline	1		ND	0.330	0.0650	18-Oct-08 00:18 JAM
120-12-7	Anthracene	1		ND	0.330	120.	18-Oct-08 00:18 JAM
56-55-3	Benzo(a)anthracene	1		ND	0.330	0.620	18-Oct-08 00:18 JAM
205-99-2	Benzo(b)fluoranthene	1		ND	0.330	0.620	18-Oct-08 00:18 JAM
207-08-9	Benzo(k)fluoranthene	1		ND	0.330	6.20	18-Oct-08 00:18 JAM
50-32-8	Benzo(a)pyrene	1		ND	0.330	0.330	18-Oct-08 00:18 JAM
92-52-4	Biphenyl (Diphenyl)	1		ND	0.330	190.	18-Oct-08 00:18 JAM
85-68-7	Butylbenzylphthalate	1		ND	0.330	220.	18-Oct-08 00:18 JAM
88-85-7	Dinoseb	1		ND	0.330	0.140	18-Oct-08 00:18 JAM
106-47-8	3&4-Chloroaniline	1		ND	0.330	1.50	18-Oct-08 00:18 JAM
111-44-4	bis(2-Chloroethyl) ether	1		ND	0.330	0.330	18-Oct-08 00:18 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1		ND	0.330	0.800	18-Oct-08 00:18 JAM
91-58-7	2-Chloronaphthalene	1		ND	0.330	500.	18-Oct-08 00:18 JAM
95-57-8	2-Chlorophenol	1		ND	0.330	1.40	18-Oct-08 00:18 JAM
218-01-9	Chrysene	1		ND	0.330	62.0	18-Oct-08 00:18 JAM
53-70-3	Dibenz(a,h)anthracene	1		ND	0.330	0.330	18-Oct-08 00:18 JAM
132-64-9	Dibenzofuran	1		ND	0.330	24.0	18-Oct-08 00:18 JAM
95-50-1	1,2-Dichlorobenzene	1		ND	0.330	29.0	18-Oct-08 00:18 JAM
541-73-1	1,3-Dichlorobenzene	1		ND	0.330	2.10	18-Oct-08 00:18 JAM
106-46-7	1,4-Dichlorobenzene	1		ND	0.330	5.70	18-Oct-08 00:18 JAM
91-94-1	3,3'-Dichlorobenzidine	1		ND	0.667	0.970	18-Oct-08 00:18 JAM
120-83-2	2,4-Dichlorophenol	1		ND	0.330	12.0	18-Oct-08 00:18 JAM
84-66-2	Diethylphthalate	1		ND	0.330	360.	18-Oct-08 00:18 JAM
105-67-9	2,4-Dimethylphenol	1		ND	0.330	20.0	18-Oct-08 00:18 JAM
131-11-3	Dimethylphthalate	1		ND	0.330	1500	18-Oct-08 00:18 JAM
99-65-0	1,3-Dinitrobenzene	1		ND	0.330	0.250	18-Oct-08 00:18 JAM
51-28-5	2,4-Dinitrophenol	1		ND	0.330	1.70	18-Oct-08 00:18 JAM
121-14-2	2,4-Dinitrotoluene	1		ND	0.330	1.00	18-Oct-08 00:18 JAM
606-20-2	2,6-Dinitrotoluene	1		ND	0.330	0.390	18-Oct-08 00:18 JAM
117-84-0	Di-n-octylphthalate	1		ND	0.330	240.	18-Oct-08 00:18 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	A25	ND	0.330	35.0	18-Oct-08 00:18 JAM

Protocol 11/5/2008 13:28:37

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For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-03A
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645525
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108753
Method: EPA 8270
GCMS SVOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
206-44-0	Fluoranthene	1		ND	0.330	220.	18-Oct-08 00:18 JAM
86-73-7	Fluorene	1		ND	0.330	230.	18-Oct-08 00:18 JAM
118-74-1	Hexachlorobenzene	1		ND	0.330	0.340	18-Oct-08 00:18 JAM
87-68-3	Hexachloro-1,3-butadiene	1		ND	0.330	0.820	18-Oct-08 00:18 JAM
77-47-4	Hexachlorocyclopentadiene	1		ND	0.330	1.40	18-Oct-08 00:18 JAM
67-72-1	Hexachloroethane	1		ND	0.330	2.20	18-Oct-08 00:18 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1		ND	0.330	0.620	18-Oct-08 00:18 JAM
78-59-1	Isophorone	1		ND	0.330	0.560	18-Oct-08 00:18 JAM
91-57-6	2-Methylnaphthalene	1		ND	0.330	1.70	18-Oct-08 00:18 JAM
91-20-3	Naphthalene	1		ND	0.330	1.50	18-Oct-08 00:18 JAM
88-74-4	2-Nitroaniline	1		ND	0.330	1.70	18-Oct-08 00:18 JAM
99-09-2	3-Nitroaniline	1		ND	0.330	1.70	18-Oct-08 00:18 JAM
100-01-6	4-Nitroaniline	1		ND	0.330	1.70	18-Oct-08 00:18 JAM
98-95-3	Nitrobenzene	1		ND	0.330	0.330	18-Oct-08 00:18 JAM
100-02-7	4-Nitrophenol	1		ND	0.330	2.60	18-Oct-08 00:18 JAM
621-64-7	N-Nitroso-di-n-propylamine	1		ND	0.330	0.330	18-Oct-08 00:18 JAM
86-30-6	N-Nitrosodiphenylamine	1	A10	ND	0.330	2.10	18-Oct-08 00:18 JAM
87-86-5	Pentachlorophenol	1		ND	0.330	1.70	18-Oct-08 00:18 JAM
85-01-8	Phenanthrene	1		ND	0.330	660.	18-Oct-08 00:18 JAM
108-95-2	Phenol	1		ND	0.330	11.0	18-Oct-08 00:18 JAM
129-00-0	Pyrene	1		ND	0.330	230.	18-Oct-08 00:18 JAM
95-94-3	1,2,4,5-Tetrachlorobenzene	1		ND	0.330	1.20	18-Oct-08 00:18 JAM
58-90-2	2,3,4,6-Tetrachlorophenol	1		ND	0.330	31.0	18-Oct-08 00:18 JAM
95-95-4	2,4,5-Trichlorophenol	1		ND	0.330	320.	18-Oct-08 00:18 JAM
88-06-2	2,4,6-Trichlorophenol	1		ND	0.330	1.30	18-Oct-08 00:18 JAM

58 compound(s) reported

Protocol 11/5/2008 13:28:37

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-03A
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645525
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
67-64-1	Acetone	1	A11	0.0294	0.0123	1.50	23-Oct-08 16:39 RMP
71-43-2	Benzene	1		ND	0.00616	0.0510	23-Oct-08 16:39 RMP
75-27-4	Bromodichloromethane	1		ND	0.00616	0.920	23-Oct-08 16:39 RMP
75-25-2	Bromoform	1		ND	0.00616	1.80	23-Oct-08 16:39 RMP
74-83-9	Bromomethane	1		ND	0.00616	0.0400	23-Oct-08 16:39 RMP
78-93-3	2-Butanone (MEK)	1	A11	ND	0.0123	5.00	23-Oct-08 16:39 RMP
75-15-0	Carbon disulfide	1		0.0154	0.00616	11.0	23-Oct-08 16:39 RMP
56-23-5	Carbon tetrachloride	1		ND	0.00616	0.110	23-Oct-08 16:39 RMP
108-90-7	Chlorobenzene	1		ND	0.00616	3.00	23-Oct-08 16:39 RMP
75-00-3	Chloroethane	1		ND	0.00616	0.0350	23-Oct-08 16:39 RMP
67-66-3	Chloroform	1		ND	0.00616	0.0440	23-Oct-08 16:39 RMP
74-87-3	Chloromethane	1		ND	0.00616	0.100	23-Oct-08 16:39 RMP
124-48-1	Dibromochloromethane	1		ND	0.00616	1.00	23-Oct-08 16:39 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1		ND	0.00616	0.0100	23-Oct-08 16:39 RMP
75-34-3	1,1-Dichloroethane	1		ND	0.00616	7.50	23-Oct-08 16:39 RMP
107-06-2	1,2-Dichloroethane	1		ND	0.00616	0.0350	23-Oct-08 16:39 RMP
75-35-4	1,1-Dichloroethene	1		ND	0.00616	0.0850	23-Oct-08 16:39 RMP
156-59-2	cis-1,2-Dichloroethene	1		ND	0.00616	0.490	23-Oct-08 16:39 RMP
156-60-5	trans-1,2-Dichloroethene	1		ND	0.00616	0.770	23-Oct-08 16:39 RMP
78-87-5	1,2-Dichloropropane	1		ND	0.00616	0.0420	23-Oct-08 16:39 RMP
10061-01-5	cis-1,3-Dichloropropene	1		ND	0.00616	0.0400	23-Oct-08 16:39 RMP
10061-02-6	trans-1,3-Dichloropropene	1		ND	0.00616	0.0400	23-Oct-08 16:39 RMP
100-41-4	Ethylbenzene	1		ND	0.00616	19.0	23-Oct-08 16:39 RMP
1634-04-4	Methyl-tert-butyl ether	1		ND	0.00616	0.0770	23-Oct-08 16:39 RMP
75-09-2	Methylene chloride	1	A11	ND	0.00616	0.0170	23-Oct-08 16:39 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1		ND	0.0123	6.40	23-Oct-08 16:39 RMP
78-83-1	Isobutanol	1		ND	0.308	30.0	23-Oct-08 16:39 RMP
100-42-5	Styrene	1		ND	0.00616	11.0	23-Oct-08 16:39 RMP
630-20-6	1,1,1,2-Tetrachloroethane	1		ND	0.00616	0.0460	23-Oct-08 16:39 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1		ND	0.00616	0.00600	23-Oct-08 16:39 RMP
127-18-4	Tetrachloroethene	1		ND	0.00616	0.180	23-Oct-08 16:39 RMP
108-88-3	Toluene	1		ND	0.00616	20.0	23-Oct-08 16:39 RMP
120-82-1	1,2,4-Trichlorobenzene	1		ND	0.00616	14.0	23-Oct-08 16:39 RMP

Protocol 11/5/2008 13:28:38

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-03A
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645525
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109090
Method: EPA 8260
GCMS VOAs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 23-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
71-55-6	1,1,1-Trichloroethane	1		ND	0.00616	4.00	23-Oct-08 16:39 RMP
79-00-5	1,1,2-Trichloroethane	1		ND	0.00616	0.0580	23-Oct-08 16:39 RMP
79-01-6	Trichloroethene	1		ND	0.00616	0.0730	23-Oct-08 16:39 RMP
75-69-4	Trichlorofluoromethane	1		ND	0.00616	37.0	23-Oct-08 16:39 RMP
75-01-4	Vinyl chloride	1		ND	0.00246	0.0130	23-Oct-08 16:39 RMP
	m&p-Xylene	1		ND	0.00616	18.0	23-Oct-08 16:39 RMP
95-47-6	o-Xylene	1		ND	0.00616	18.0	23-Oct-08 16:39 RMP

40 compound(s) reported

Protocol 11/5/2008 13:28:38

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MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: W-3503ACE-RB-07-10-14-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645526
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 108778
Method: EPA 8270
GCMS SVOAs Dual pH
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: ug/L

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
62-53-3	Aniline	1		ND	10.0	12.0	21-Oct-08 15:31 JAM
92-52-4	Biphenyl (Diphenyl)	1		ND	10.0	30.0	21-Oct-08 15:31 JAM
85-68-7	Butylbenzylphthalate	1		ND	10.0	730.	21-Oct-08 15:31 JAM
88-85-7	Dinoseb	1		ND	10.0	7.00	21-Oct-08 15:31 JAM
106-47-8	3&4-Chloroaniline	1		ND	10.0	20.0	21-Oct-08 15:31 JAM
111-44-4	bis(2-Chloroethyl) ether	1		ND	10.0	5.70	21-Oct-08 15:31 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1		ND	10.0	5.70	21-Oct-08 15:31 JAM
91-58-7	2-Chloronaphthalene	1		ND	10.0	49.0	21-Oct-08 15:31 JAM
95-57-8	2-Chlorophenol	1		ND	10.0	10.0	21-Oct-08 15:31 JAM
132-64-9	Dibenzofuran	1		ND	10.0	10.0	21-Oct-08 15:31 JAM
95-50-1	1,2-Dichlorobenzene	1		ND	10.0	600.	21-Oct-08 15:31 JAM
541-73-1	1,3-Dichlorobenzene	1		ND	10.0	10.0	21-Oct-08 15:31 JAM
106-46-7	1,4-Dichlorobenzene	1		ND	10.0	75.0	21-Oct-08 15:31 JAM
91-94-1	3,3'-Dichlorobenzidine	1		ND	20.0	20.0	21-Oct-08 15:31 JAM
120-83-2	2,4-Dichlorophenol	1		ND	10.0	11.0	21-Oct-08 15:31 JAM
84-66-2	Diethylphthalate	1		ND	10.0	2900	21-Oct-08 15:31 JAM
105-67-9	2,4-Dimethylphenol	1		ND	10.0	73.0	21-Oct-08 15:31 JAM
131-11-3	Dimethylphthalate	1		ND	10.0	37000	21-Oct-08 15:31 JAM
99-65-0	1,3-Dinitrobenzene	1		ND	10.0	10.0	21-Oct-08 15:31 JAM
51-28-5	2,4-Dinitrophenol	1		ND	10.0	50.0	21-Oct-08 15:31 JAM
121-14-2	2,4-Dinitrotoluene	1		ND	10.0	10.0	21-Oct-08 15:31 JAM
606-20-2	2,6-Dinitrotoluene	1		ND	10.0	10.0	21-Oct-08 15:31 JAM
117-84-0	Di-n-octylphthalate	1		ND	10.0	20.0	21-Oct-08 15:31 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	A25	ND	10.0	6.00	21-Oct-08 15:31 JAM
118-74-1	Hexachlorobenzene	1		ND	10.0	1.00	21-Oct-08 15:31 JAM
87-68-3	Hexachloro-1,3-butadiene	1		ND	10.0	0.730	21-Oct-08 15:31 JAM
77-47-4	Hexachlorocyclopentadiene	1		ND	10.0	50.0	21-Oct-08 15:31 JAM
67-72-1	Hexachloroethane	1		ND	10.0	10.0	21-Oct-08 15:31 JAM
78-59-1	Isophorone	1		ND	10.0	70.0	21-Oct-08 15:31 JAM
88-74-4	2-Nitroaniline	1		ND	10.0	50.0	21-Oct-08 15:31 JAM
99-09-2	3-Nitroaniline	1		ND	10.0	50.0	21-Oct-08 15:31 JAM
100-01-6	4-Nitroaniline	1		ND	10.0	50.0	21-Oct-08 15:31 JAM
98-95-3	Nitrobenzene	1		ND	10.0	1.90	21-Oct-08 15:31 JAM

Protocol 11/5/2008 13:28:38

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MDL denotes method detection limit

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: W-3503ACE-RB-07-10-14-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645526
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 108778
Method: EPA 8270
GCMS SVOAs Dual pH
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: ug/L

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
100-02-7	4-Nitrophenol	1		ND	10.0	50.0	21-Oct-08 15:31 JAM
621-64-7	N-Nitroso-di-n-propylamine	1		ND	10.0	10.0	21-Oct-08 15:31 JAM
86-30-6	N-Nitrosodiphenylamine	1	A10	ND	10.0	14.0	21-Oct-08 15:31 JAM
87-86-5	Pentachlorophenol	1		ND	10.0	1.00	21-Oct-08 15:31 JAM
108-95-2	Phenol	1		ND	10.0	180.	21-Oct-08 15:31 JAM
95-94-3	1,2,4,5-Tetrachlorobenzene	1		ND	10.0	1.10	21-Oct-08 15:31 JAM
58-90-2	2,3,4,6-Tetrachlorophenol	1		ND	10.0	110.	21-Oct-08 15:31 JAM
95-95-4	2,4,5-Trichlorophenol	1		ND	10.0	370.	21-Oct-08 15:31 JAM
88-06-2	2,4,6-Trichlorophenol	1		ND	10.0	10.0	21-Oct-08 15:31 JAM

42 compound(s) reported

Protocol 11/5/2008 13:28:38

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: W-3503ACE-RB-07-10-14-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645526
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 108790
Method: EPA 8270
GCMS SVOAs SIM Water
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/L

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
83-32-9	Acenaphthene	1		ND	0.000100	0.0370	16-Oct-08 17:45 JAM
208-96-8	Acenaphthylene	1		ND	0.000100	0.100	16-Oct-08 17:45 JAM
120-12-7	Anthracene	1		ND	0.000100	0.0430	16-Oct-08 17:45 JAM
56-55-3	Benzo(a)anthracene	1		ND	0.000100	0.00780	16-Oct-08 17:45 JAM
205-99-2	Benzo(b)fluoranthene	1		ND	0.000100	0.00480	16-Oct-08 17:45 JAM
207-08-9	Benzo(k)fluoranthene	1		ND	0.000100	0.00250	16-Oct-08 17:45 JAM
50-32-8	Benzo(a)pyrene	1		ND	0.000100	0.000200	16-Oct-08 17:45 JAM
218-01-9	Chrysene	1		ND	0.000100	0.00160	16-Oct-08 17:45 JAM
53-70-3	Dibenz(a,h)anthracene	1		ND	0.000100	0.00250	16-Oct-08 17:45 JAM
206-44-0	Fluoranthene	1		ND	0.000100	0.150	16-Oct-08 17:45 JAM
86-73-7	Fluorene	1		ND	0.000100	0.0240	16-Oct-08 17:45 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1		ND	0.000100	0.00370	16-Oct-08 17:45 JAM
91-57-6	2-Methylnaphthalene	1		ND	0.000100	0.000620	16-Oct-08 17:45 JAM
91-20-3	Naphthalene	1		ND	0.000100	0.0100	16-Oct-08 17:45 JAM
85-01-8	Phenanthrene	1		ND	0.000100	0.180	16-Oct-08 17:45 JAM
129-00-0	Pyrene	1		ND	0.000100	0.0180	16-Oct-08 17:45 JAM

16 compound(s) reported

Protocol 11/5/2008 13:28:38

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: W-3503ACE-RB-07-10-14-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645526
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 108854
Method: EPA 8260
GCMS VOAs Water
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 18-Oct-08

Units: mg/L

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
67-64-1	Acetone	1	A11	ND	0.0100	0.100	18-Oct-08 01:57 RMP
71-43-2	Benzene	1		ND	0.00500	0.00500	18-Oct-08 01:57 RMP
75-27-4	Bromodichloromethane	1		ND	0.00500	0.100	18-Oct-08 01:57 RMP
75-25-2	Bromoform	1		ND	0.00500	0.100	18-Oct-08 01:57 RMP
74-83-9	Bromomethane	1		ND	0.00500	0.0100	18-Oct-08 01:57 RMP
78-93-3	2-Butanone (MEK)	1	A11	ND	0.0100	0.190	18-Oct-08 01:57 RMP
75-15-0	Carbon disulfide	1		ND	0.00500	0.100	18-Oct-08 01:57 RMP
56-23-5	Carbon tetrachloride	1		ND	0.00500	0.00500	18-Oct-08 01:57 RMP
108-90-7	Chlorobenzene	1		ND	0.00500	0.100	18-Oct-08 01:57 RMP
75-00-3	Chloroethane	1		ND	0.00500	0.0100	18-Oct-08 01:57 RMP
67-66-3	Chloroform	1		ND	0.00500	0.100	18-Oct-08 01:57 RMP
74-87-3	Chloromethane	1		ND	0.00500	0.0100	18-Oct-08 01:57 RMP
124-48-1	Dibromochloromethane	1		ND	0.00500	0.100	18-Oct-08 01:57 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1		ND	0.00500	0.000200	18-Oct-08 01:57 RMP
75-34-3	1,1-Dichloroethane	1		ND	0.00500	0.0810	18-Oct-08 01:57 RMP
107-06-2	1,2-Dichloroethane	1		ND	0.00500	0.00500	18-Oct-08 01:57 RMP
75-35-4	1,1-Dichloroethene	1		ND	0.00500	0.00700	18-Oct-08 01:57 RMP
156-59-2	cis-1,2-Dichloroethene	1		ND	0.00500	0.0700	18-Oct-08 01:57 RMP
156-60-5	trans-1,2-Dichloroethene	1		ND	0.00500	0.100	18-Oct-08 01:57 RMP
78-87-5	1,2-Dichloropropane	1		ND	0.00500	0.00500	18-Oct-08 01:57 RMP
10061-01-5	cis-1,3-Dichloropropene	1		ND	0.00500	0.00500	18-Oct-08 01:57 RMP
10061-02-6	trans-1,3-Dichloropropene	1		ND	0.00500	0.00500	18-Oct-08 01:57 RMP
100-41-4	Ethylbenzene	1		ND	0.00500	0.700	18-Oct-08 01:57 RMP
1634-04-4	Methyl-tert-butyl ether	1		ND	0.00500	0.0200	18-Oct-08 01:57 RMP
75-09-2	Methylene chloride	1	A11	ND	0.00500	0.00500	18-Oct-08 01:57 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1		ND	0.0100	0.200	18-Oct-08 01:57 RMP
78-83-1	Isobutanol	1		ND	0.250	1.10	18-Oct-08 01:57 RMP
100-42-5	Styrene	1		ND	0.00500	0.100	18-Oct-08 01:57 RMP
630-20-6	1,1,1,2-Tetrachloroethane	1		ND	0.00500	0.00500	18-Oct-08 01:57 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1		ND	0.00500	0.000500	18-Oct-08 01:57 RMP
127-18-4	Tetrachloroethene	1		ND	0.00500	0.00500	18-Oct-08 01:57 RMP
108-88-3	Toluene	1		ND	0.00500	1.00	18-Oct-08 01:57 RMP
120-82-1	1,2,4-Trichlorobenzene	1		ND	0.00500	0.0700	18-Oct-08 01:57 RMP

Protocol 11/5/2008 13:28:38

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: W-3503ACE-RB-07-10-14-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645526
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 108854
Method: EPA 8260
GCMS VOAs Water
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 18-Oct-08

Units: mg/L

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
71-55-6	1,1,1-Trichloroethane	1		ND	0.00500	0.200	18-Oct-08 01:57 RMP
79-00-5	1,1,2-Trichloroethane	1		ND	0.00500	0.00500	18-Oct-08 01:57 RMP
79-01-6	Trichloroethene	1		ND	0.00500	0.00500	18-Oct-08 01:57 RMP
75-69-4	Trichlorofluoromethane	1		ND	0.00500	0.130	18-Oct-08 01:57 RMP
75-01-4	Vinyl chloride	1		ND	0.00200	0.00200	18-Oct-08 01:57 RMP
	m&p-Xylene	1		ND	0.00500	10.0	18-Oct-08 01:57 RMP
95-47-6	o-Xylene	1		ND	0.00500	10.0	18-Oct-08 01:57 RMP

40 compound(s) reported

Protocol 11/5/2008 13:28:38

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: W-3503ACE-TB-10-14-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645529
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 108854
Method: EPA 8260
GCMS VOAs Water
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 20-Oct-08

Units: mg/L

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
67-64-1	Acetone	1	A11	ND	0.0100	0.100	20-Oct-08 12:15 RMP
71-43-2	Benzene	1		ND	0.00500	0.00500	20-Oct-08 12:15 RMP
75-27-4	Bromodichloromethane	1		ND	0.00500	0.100	20-Oct-08 12:15 RMP
75-25-2	Bromoform	1		ND	0.00500	0.100	20-Oct-08 12:15 RMP
74-83-9	Bromomethane	1		ND	0.00500	0.0100	20-Oct-08 12:15 RMP
78-93-3	2-Butanone (MEK)	1	A11	ND	0.0100	0.190	20-Oct-08 12:15 RMP
75-15-0	Carbon disulfide	1		ND	0.00500	0.100	20-Oct-08 12:15 RMP
56-23-5	Carbon tetrachloride	1		ND	0.00500	0.00500	20-Oct-08 12:15 RMP
108-90-7	Chlorobenzene	1		ND	0.00500	0.100	20-Oct-08 12:15 RMP
75-00-3	Chloroethane	1		ND	0.00500	0.0100	20-Oct-08 12:15 RMP
67-66-3	Chloroform	1		ND	0.00500	0.100	20-Oct-08 12:15 RMP
74-87-3	Chloromethane	1		ND	0.00500	0.0100	20-Oct-08 12:15 RMP
124-48-1	Dibromochloromethane	1		ND	0.00500	0.100	20-Oct-08 12:15 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1		ND	0.00500	0.000200	20-Oct-08 12:15 RMP
75-34-3	1,1-Dichloroethane	1		ND	0.00500	0.0810	20-Oct-08 12:15 RMP
107-06-2	1,2-Dichloroethane	1		ND	0.00500	0.00500	20-Oct-08 12:15 RMP
75-35-4	1,1-Dichloroethene	1		ND	0.00500	0.00700	20-Oct-08 12:15 RMP
156-59-2	cis-1,2-Dichloroethene	1		ND	0.00500	0.0700	20-Oct-08 12:15 RMP
156-60-5	trans-1,2-Dichloroethene	1		ND	0.00500	0.100	20-Oct-08 12:15 RMP
78-87-5	1,2-Dichloropropane	1		ND	0.00500	0.00500	20-Oct-08 12:15 RMP
10061-01-5	cis-1,3-Dichloropropene	1		ND	0.00500	0.00500	20-Oct-08 12:15 RMP
10061-02-6	trans-1,3-Dichloropropene	1		ND	0.00500	0.00500	20-Oct-08 12:15 RMP
100-41-4	Ethylbenzene	1		ND	0.00500	0.700	20-Oct-08 12:15 RMP
1634-04-4	Methyl-tert-butyl ether	1		ND	0.00500	0.0200	20-Oct-08 12:15 RMP
75-09-2	Methylene chloride	1	A11	ND	0.00500	0.00500	20-Oct-08 12:15 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1		ND	0.0100	0.200	20-Oct-08 12:15 RMP
78-83-1	Isobutanol	1		ND	0.250	1.10	20-Oct-08 12:15 RMP
100-42-5	Styrene	1		ND	0.00500	0.100	20-Oct-08 12:15 RMP
630-20-6	1,1,1,2-Tetrachloroethane	1		ND	0.00500	0.00500	20-Oct-08 12:15 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1		ND	0.00500	0.000500	20-Oct-08 12:15 RMP
127-18-4	Tetrachloroethene	1		ND	0.00500	0.00500	20-Oct-08 12:15 RMP
108-88-3	Toluene	1		ND	0.00500	1.00	20-Oct-08 12:15 RMP
120-82-1	1,2,4-Trichlorobenzene	1		ND	0.00500	0.0700	20-Oct-08 12:15 RMP

Protocol 11/5/2008 13:28:38

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: W-3503ACE-TB-10-14-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645529
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 108854
Method: EPA 8260
GCMS VOAs Water
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 20-Oct-08

Units: mg/L

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
71-55-6	1,1,1-Trichloroethane	1		ND	0.00500	0.200	20-Oct-08 12:15 RMP
79-00-5	1,1,2-Trichloroethane	1		ND	0.00500	0.00500	20-Oct-08 12:15 RMP
79-01-6	Trichloroethene	1		ND	0.00500	0.00500	20-Oct-08 12:15 RMP
75-69-4	Trichlorofluoromethane	1		ND	0.00500	0.130	20-Oct-08 12:15 RMP
75-01-4	Vinyl chloride	1		ND	0.00200	0.00200	20-Oct-08 12:15 RMP
	m&p-Xylene	1		ND	0.00500	10.0	20-Oct-08 12:15 RMP
95-47-6	o-Xylene	1		ND	0.00500	10.0	20-Oct-08 12:15 RMP

40 compound(s) reported

Protocol 11/5/2008 13:28:38

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MDL denotes method detection limit

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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: W-3503ACE-FB-10-14-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645530
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 108854
Method: EPA 8260
GCMS VOAs Water
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 20-Oct-08

Units: mg/L

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
67-64-1	Acetone	1	A11	ND	0.0100	0.100	20-Oct-08 12:36 RMP
71-43-2	Benzene	1		ND	0.00500	0.00500	20-Oct-08 12:36 RMP
75-27-4	Bromodichloromethane	1		ND	0.00500	0.100	20-Oct-08 12:36 RMP
75-25-2	Bromoform	1		ND	0.00500	0.100	20-Oct-08 12:36 RMP
74-83-9	Bromomethane	1		ND	0.00500	0.0100	20-Oct-08 12:36 RMP
78-93-3	2-Butanone (MEK)	1	A11	ND	0.0100	0.190	20-Oct-08 12:36 RMP
75-15-0	Carbon disulfide	1		ND	0.00500	0.100	20-Oct-08 12:36 RMP
56-23-5	Carbon tetrachloride	1		ND	0.00500	0.00500	20-Oct-08 12:36 RMP
108-90-7	Chlorobenzene	1		ND	0.00500	0.100	20-Oct-08 12:36 RMP
75-00-3	Chloroethane	1		ND	0.00500	0.0100	20-Oct-08 12:36 RMP
67-66-3	Chloroform	1		ND	0.00500	0.100	20-Oct-08 12:36 RMP
74-87-3	Chloromethane	1		ND	0.00500	0.0100	20-Oct-08 12:36 RMP
124-48-1	Dibromochloromethane	1		ND	0.00500	0.100	20-Oct-08 12:36 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1		ND	0.00500	0.000200	20-Oct-08 12:36 RMP
75-34-3	1,1-Dichloroethane	1		ND	0.00500	0.0810	20-Oct-08 12:36 RMP
107-06-2	1,2-Dichloroethane	1		ND	0.00500	0.00500	20-Oct-08 12:36 RMP
75-35-4	1,1-Dichloroethene	1		ND	0.00500	0.00700	20-Oct-08 12:36 RMP
156-59-2	cis-1,2-Dichloroethene	1		ND	0.00500	0.0700	20-Oct-08 12:36 RMP
156-60-5	trans-1,2-Dichloroethene	1		ND	0.00500	0.100	20-Oct-08 12:36 RMP
78-87-5	1,2-Dichloropropane	1		ND	0.00500	0.00500	20-Oct-08 12:36 RMP
10061-01-5	cis-1,3-Dichloropropene	1		ND	0.00500	0.00500	20-Oct-08 12:36 RMP
10061-02-6	trans-1,3-Dichloropropene	1		ND	0.00500	0.00500	20-Oct-08 12:36 RMP
100-41-4	Ethylbenzene	1		ND	0.00500	0.700	20-Oct-08 12:36 RMP
1634-04-4	Methyl-tert-butyl ether	1		ND	0.00500	0.0200	20-Oct-08 12:36 RMP
75-09-2	Methylene chloride	1	A11	ND	0.00500	0.00500	20-Oct-08 12:36 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1		ND	0.0100	0.200	20-Oct-08 12:36 RMP
78-83-1	Isobutanol	1		ND	0.250	1.10	20-Oct-08 12:36 RMP
100-42-5	Styrene	1		ND	0.00500	0.100	20-Oct-08 12:36 RMP
630-20-6	1,1,1,2-Tetrachloroethane	1		ND	0.00500	0.00500	20-Oct-08 12:36 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1		ND	0.00500	0.000500	20-Oct-08 12:36 RMP
127-18-4	Tetrachloroethene	1		ND	0.00500	0.00500	20-Oct-08 12:36 RMP
108-88-3	Toluene	1		ND	0.00500	1.00	20-Oct-08 12:36 RMP
120-82-1	1,2,4-Trichlorobenzene	1		ND	0.00500	0.0700	20-Oct-08 12:36 RMP

Protocol 11/5/2008 13:28:38

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MDL denotes method detection limit

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: W-3503ACE-FB-10-14-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645530
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 108854
Method: EPA 8260
GCMS VOAs Water
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 20-Oct-08

Units: mg/L

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
71-55-6	1,1,1-Trichloroethane	1		ND	0.00500	0.200	20-Oct-08 12:36 RMP
79-00-5	1,1,2-Trichloroethane	1		ND	0.00500	0.00500	20-Oct-08 12:36 RMP
79-01-6	Trichloroethene	1		ND	0.00500	0.00500	20-Oct-08 12:36 RMP
75-69-4	Trichlorofluoromethane	1		ND	0.00500	0.130	20-Oct-08 12:36 RMP
75-01-4	Vinyl chloride	1		ND	0.00200	0.00200	20-Oct-08 12:36 RMP
	m&p-Xylene	1		ND	0.00500	10.0	20-Oct-08 12:36 RMP
95-47-6	o-Xylene	1		ND	0.00500	10.0	20-Oct-08 12:36 RMP

40 compound(s) reported

Protocol 11/5/2008 13:28:38

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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-01
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645515
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108808
Method: EPA 8015 Mod Ext
8015 TPH Extractables Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Diesel Range Organics (C10-28)	1		50.9	10.0	65.0	28-Oct-08 17:14 SPP1
	Oil Range Organics (>C28-40)	1		ND	50.0	180.	28-Oct-08 17:14 SPP1

2 compound(s) reported

Protocol 11/5/2008 13:28:39

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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-01
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645515
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108768
Method: EPA 8015/8021
8015/8021 Med Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Gasoline Range Organics(C6-10)	1		ND	4.19	65.0	17-Oct-08 19:27 TLB1

1 compound(s) reported

Protocol 11/5/2008 13:28:39

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MDL denotes method detection limit

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For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-01
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645515
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108750
Method: EPA 8081
8081 Pests Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
309-00-2	Aldrin	1		ND	0.00170	0.0280	23-Oct-08 18:09	SLF
319-84-6	alpha-BHC	1		ND	0.00170	0.00640	23-Oct-08 18:09	SLF
319-85-7	beta-BHC	1		ND	0.00170	0.0160	23-Oct-08 18:09	SLF
58-89-9	gamma-BHC (Lindane)	1		ND	0.00170	0.0330	23-Oct-08 18:09	SLF
57-74-9	Chlordane	1		ND	0.00333	1.60	23-Oct-08 18:09	SLF
72-54-8	4,4'-DDD	1		ND	0.00333	1.50	23-Oct-08 18:09	SLF
72-55-9	4,4'-DDE	1		ND	0.00333	1.70	23-Oct-08 18:09	SLF
50-29-3	4,4'-DDT	1		ND	0.00333	1.70	23-Oct-08 18:09	SLF
60-57-1	Dieldrin	1		ND	0.00333	0.0300	23-Oct-08 18:09	SLF
959-98-8	Endosulfan I	1		ND	0.00170	34.0	23-Oct-08 18:09	SLF
33213-65-9	Endosulfan II	1		ND	0.00333	34.0	23-Oct-08 18:09	SLF
72-20-8	Endrin	1		ND	0.00333	1.80	23-Oct-08 18:09	SLF
76-44-8	Heptachlor	1		ND	0.00170	0.0160	23-Oct-08 18:09	SLF
1024-57-3	Heptachlor epoxide	1		ND	0.00170	0.0530	23-Oct-08 18:09	SLF
72-43-5	Methoxychlor	1		ND	0.0167	30.0	23-Oct-08 18:09	SLF
8001-35-2	Toxaphene	1		ND	0.0670	0.440	23-Oct-08 18:09	SLF

16 compound(s) reported

Protocol 11/5/2008 13:28:39

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MDL denotes method detection limit

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For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-01
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645515
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108751
Method: EPA 8082
8082 PCBs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
12674-11-2	PCB-1016 (Aroclor 1016)	1		ND	0.0333	0.110	17-Oct-08 19:29	SLF
11104-28-2	PCB-1221 (Aroclor 1221)	1		ND	0.0333	0.110	17-Oct-08 19:29	SLF
11141-16-5	PCB-1232 (Aroclor 1232)	1		ND	0.0333	0.110	17-Oct-08 19:29	SLF
53469-21-9	PCB-1242 (Aroclor 1242)	1		ND	0.0333	0.110	17-Oct-08 19:29	SLF
12672-29-6	PCB-1248 (Aroclor 1248)	1		ND	0.0333	0.110	17-Oct-08 19:29	SLF
11097-69-1	PCB-1254 (Aroclor 1254)	1		ND	0.0333	0.110	17-Oct-08 19:29	SLF
11096-82-5	PCB-1260 (Aroclor 1260)	1		ND	0.0333	0.110	17-Oct-08 19:29	SLF

7 compound(s) reported

Protocol 11/5/2008 13:28:39

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Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-01
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645515
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108752
Method: EPA 8151
8151 Herbs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: ug/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
94-75-7	2,4-D	1		ND	66.7		24-Oct-08 17:53	SLF
94-82-6	2,4-DB	1		ND	167.		24-Oct-08 17:53	SLF
1918-00-9	Dicamba	1		ND	66.7		24-Oct-08 17:53	SLF
120-36-5	Dichloroprop	1		ND	66.7		24-Oct-08 17:53	SLF
94-74-6	MCPA	1		ND	8330		24-Oct-08 17:53	SLF
7085-19-0	MCPP	1		ND	8330		24-Oct-08 17:53	SLF
93-76-5	2,4,5-T	1		ND	66.7		24-Oct-08 17:53	SLF
93-72-1	2,4,5-TP (Silvex)	1		ND	66.7		24-Oct-08 17:53	SLF

8 compound(s) reported

Protocol 11/5/2008 13:28:39

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-02
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645516
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108808
Method: EPA 8015 Mod Ext
8015 TPH Extractables Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Diesel Range Organics (C10-28)	1		54.3	10.0	65.0	28-Oct-08 17:39 SPP1
	Oil Range Organics (>C28-40)	1		81.5	50.0	180.	28-Oct-08 17:39 SPP1

2 compound(s) reported

Protocol 11/5/2008 13:28:39

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-02
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645516
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108768
Method: EPA 8015/8021
8015/8021 Med Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Gasoline Range Organics(C6-10)	1		ND	3.50	65.0	17-Oct-08 19:52 TLB1

1 compound(s) reported

Protocol 11/5/2008 13:28:39

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-02
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645516
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108750
Method: EPA 8081
8081 Pests Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
309-00-2	Aldrin	1		ND	0.00170	0.0280	23-Oct-08 18:27	SLF
319-84-6	alpha-BHC	1		ND	0.00170	0.00640	23-Oct-08 18:27	SLF
319-85-7	beta-BHC	1		ND	0.00170	0.0160	23-Oct-08 18:27	SLF
58-89-9	gamma-BHC (Lindane)	1		ND	0.00170	0.0330	23-Oct-08 18:27	SLF
57-74-9	Chlordane	1		ND	0.00333	1.60	23-Oct-08 18:27	SLF
72-54-8	4,4'-DDD	1		ND	0.00333	1.50	23-Oct-08 18:27	SLF
72-55-9	4,4'-DDE	1		ND	0.00333	1.70	23-Oct-08 18:27	SLF
50-29-3	4,4'-DDT	1		ND	0.00333	1.70	23-Oct-08 18:27	SLF
60-57-1	Dieldrin	1		ND	0.00333	0.0300	23-Oct-08 18:27	SLF
959-98-8	Endosulfan I	1		ND	0.00170	34.0	23-Oct-08 18:27	SLF
33213-65-9	Endosulfan II	1		ND	0.00333	34.0	23-Oct-08 18:27	SLF
72-20-8	Endrin	1		ND	0.00333	1.80	23-Oct-08 18:27	SLF
76-44-8	Heptachlor	1		ND	0.00170	0.0160	23-Oct-08 18:27	SLF
1024-57-3	Heptachlor epoxide	1		ND	0.00170	0.0530	23-Oct-08 18:27	SLF
72-43-5	Methoxychlor	1		ND	0.0167	30.0	23-Oct-08 18:27	SLF
8001-35-2	Toxaphene	1		ND	0.0670	0.440	23-Oct-08 18:27	SLF

16 compound(s) reported

Protocol 11/5/2008 13:28:39

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-02
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645516
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108751
Method: EPA 8082
8082 PCBs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
12674-11-2	PCB-1016 (Aroclor 1016)	1		ND	0.0333	0.110	17-Oct-08 19:43	SLF
11104-28-2	PCB-1221 (Aroclor 1221)	1		ND	0.0333	0.110	17-Oct-08 19:43	SLF
11141-16-5	PCB-1232 (Aroclor 1232)	1		ND	0.0333	0.110	17-Oct-08 19:43	SLF
53469-21-9	PCB-1242 (Aroclor 1242)	1		ND	0.0333	0.110	17-Oct-08 19:43	SLF
12672-29-6	PCB-1248 (Aroclor 1248)	1		ND	0.0333	0.110	17-Oct-08 19:43	SLF
11097-69-1	PCB-1254 (Aroclor 1254)	1		ND	0.0333	0.110	17-Oct-08 19:43	SLF
11096-82-5	PCB-1260 (Aroclor 1260)	1		ND	0.0333	0.110	17-Oct-08 19:43	SLF

7 compound(s) reported

Protocol 11/5/2008 13:28:39

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-02
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645516
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108752
Method: EPA 8151
8151 Herbs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: ug/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
94-75-7	2,4-D	1		ND	66.7		24-Oct-08 18:10	SLF
94-82-6	2,4-DB	1		ND	167.		24-Oct-08 18:10	SLF
1918-00-9	Dicamba	1		ND	66.7		24-Oct-08 18:10	SLF
120-36-5	Dichloroprop	1		ND	66.7		24-Oct-08 18:10	SLF
94-74-6	MCPA	1		ND	8330		24-Oct-08 18:10	SLF
7085-19-0	MCPP	1		ND	8330		24-Oct-08 18:10	SLF
93-76-5	2,4,5-T	1		ND	66.7		24-Oct-08 18:10	SLF
93-72-1	2,4,5-TP (Silvex)	1		ND	66.7		24-Oct-08 18:10	SLF

8 compound(s) reported

Protocol 11/5/2008 13:28:39

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-03
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645517
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108808
Method: EPA 8015 Mod Ext
8015 TPH Extractables Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Diesel Range Organics (C10-28)	1		52.9	10.0	65.0	28-Oct-08 18:04 SPP1
	Oil Range Organics (>C28-40)	1		ND	50.0	180.	28-Oct-08 18:04 SPP1

2 compound(s) reported

Protocol 11/5/2008 13:28:39

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-03
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645517
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108768
Method: EPA 8015/8021
8015/8021 Med Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Gasoline Range Organics(C6-10)	1		ND	3.03	65.0	17-Oct-08 20:17 TLB1

1 compound(s) reported

Protocol 11/5/2008 13:28:40

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MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-03
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645517
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108750
Method: EPA 8081
8081 Pests Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
309-00-2	Aldrin	1		ND	0.00170	0.0280	23-Oct-08 18:46	SLF
319-84-6	alpha-BHC	1		ND	0.00170	0.00640	23-Oct-08 18:46	SLF
319-85-7	beta-BHC	1		ND	0.00170	0.0160	23-Oct-08 18:46	SLF
58-89-9	gamma-BHC (Lindane)	1		ND	0.00170	0.0330	23-Oct-08 18:46	SLF
57-74-9	Chlordane	1		ND	0.00333	1.60	23-Oct-08 18:46	SLF
72-54-8	4,4'-DDD	1		ND	0.00333	1.50	23-Oct-08 18:46	SLF
72-55-9	4,4'-DDE	1		ND	0.00333	1.70	23-Oct-08 18:46	SLF
50-29-3	4,4'-DDT	1		ND	0.00333	1.70	23-Oct-08 18:46	SLF
60-57-1	Dieldrin	1		ND	0.00333	0.0300	23-Oct-08 18:46	SLF
959-98-8	Endosulfan I	1		ND	0.00170	34.0	23-Oct-08 18:46	SLF
33213-65-9	Endosulfan II	1		ND	0.00333	34.0	23-Oct-08 18:46	SLF
72-20-8	Endrin	1		ND	0.00333	1.80	23-Oct-08 18:46	SLF
76-44-8	Heptachlor	1		ND	0.00170	0.0160	23-Oct-08 18:46	SLF
1024-57-3	Heptachlor epoxide	1		ND	0.00170	0.0530	23-Oct-08 18:46	SLF
72-43-5	Methoxychlor	1		ND	0.0167	30.0	23-Oct-08 18:46	SLF
8001-35-2	Toxaphene	1		ND	0.0670	0.440	23-Oct-08 18:46	SLF

16 compound(s) reported

Protocol 11/5/2008 13:28:40

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MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-03
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645517
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108751
Method: EPA 8082
8082 PCBs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
12674-11-2	PCB-1016 (Aroclor 1016)	1		ND	0.0333	0.110	17-Oct-08 19:57	SLF
11104-28-2	PCB-1221 (Aroclor 1221)	1		ND	0.0333	0.110	17-Oct-08 19:57	SLF
11141-16-5	PCB-1232 (Aroclor 1232)	1		ND	0.0333	0.110	17-Oct-08 19:57	SLF
53469-21-9	PCB-1242 (Aroclor 1242)	1		ND	0.0333	0.110	17-Oct-08 19:57	SLF
12672-29-6	PCB-1248 (Aroclor 1248)	1		ND	0.0333	0.110	17-Oct-08 19:57	SLF
11097-69-1	PCB-1254 (Aroclor 1254)	1		ND	0.0333	0.110	17-Oct-08 19:57	SLF
11096-82-5	PCB-1260 (Aroclor 1260)	1		ND	0.0333	0.110	17-Oct-08 19:57	SLF

7 compound(s) reported

Protocol 11/5/2008 13:28:40

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-03
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645517
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108752
Method: EPA 8151
8151 Herbs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: ug/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
94-75-7	2,4-D	1		ND	66.7		24-Oct-08 18:26	SLF
94-82-6	2,4-DB	1		ND	167.		24-Oct-08 18:26	SLF
1918-00-9	Dicamba	1		ND	66.7		24-Oct-08 18:26	SLF
120-36-5	Dichloroprop	1		ND	66.7		24-Oct-08 18:26	SLF
94-74-6	MCPA	1		ND	8330		24-Oct-08 18:26	SLF
7085-19-0	MCPP	1		ND	8330		24-Oct-08 18:26	SLF
93-76-5	2,4,5-T	1		ND	66.7		24-Oct-08 18:26	SLF
93-72-1	2,4,5-TP (Silvex)	1		ND	66.7		24-Oct-08 18:26	SLF

8 compound(s) reported

Protocol 11/5/2008 13:28:40

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-04
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645518
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108808
Method: EPA 8015 Mod Ext
8015 TPH Extractables Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Diesel Range Organics (C10-28)	1		95.5	10.0	65.0	28-Oct-08 18:30 SPP1
	Oil Range Organics (>C28-40)	1		104.	50.0	180.	28-Oct-08 18:30 SPP1

2 compound(s) reported

Protocol 11/5/2008 13:28:40

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-04
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645518
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108768
Method: EPA 8015/8021
8015/8021 Med Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Gasoline Range Organics(C6-10)	1		ND	2.66	65.0	17-Oct-08 20:42 TLB1

1 compound(s) reported

Protocol 11/5/2008 13:28:40

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-04
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645518
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108750
Method: EPA 8081
8081 Pests Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
309-00-2	Aldrin	1		ND	0.00170	0.0280	23-Oct-08 19:05	SLF
319-84-6	alpha-BHC	1		ND	0.00170	0.00640	23-Oct-08 19:05	SLF
319-85-7	beta-BHC	1		ND	0.00170	0.0160	23-Oct-08 19:05	SLF
58-89-9	gamma-BHC (Lindane)	1		ND	0.00170	0.0330	23-Oct-08 19:05	SLF
57-74-9	Chlordane	1		ND	0.00333	1.60	23-Oct-08 19:05	SLF
72-54-8	4,4'-DDD	1		ND	0.00333	1.50	23-Oct-08 19:05	SLF
72-55-9	4,4'-DDE	1		ND	0.00333	1.70	23-Oct-08 19:05	SLF
50-29-3	4,4'-DDT	1		ND	0.00333	1.70	23-Oct-08 19:05	SLF
60-57-1	Dieldrin	1		ND	0.00333	0.0300	23-Oct-08 19:05	SLF
959-98-8	Endosulfan I	1		ND	0.00170	34.0	23-Oct-08 19:05	SLF
33213-65-9	Endosulfan II	1		ND	0.00333	34.0	23-Oct-08 19:05	SLF
72-20-8	Endrin	1		ND	0.00333	1.80	23-Oct-08 19:05	SLF
76-44-8	Heptachlor	1		ND	0.00170	0.0160	23-Oct-08 19:05	SLF
1024-57-3	Heptachlor epoxide	1		ND	0.00170	0.0530	23-Oct-08 19:05	SLF
72-43-5	Methoxychlor	1		ND	0.0167	30.0	23-Oct-08 19:05	SLF
8001-35-2	Toxaphene	1		ND	0.0670	0.440	23-Oct-08 19:05	SLF

16 compound(s) reported

Protocol 11/5/2008 13:28:40

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-04
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645518
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108751
Method: EPA 8082
8082 PCBs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
12674-11-2	PCB-1016 (Aroclor 1016)	1		ND	0.0333	0.110	17-Oct-08 20:11	SLF
11104-28-2	PCB-1221 (Aroclor 1221)	1		ND	0.0333	0.110	17-Oct-08 20:11	SLF
11141-16-5	PCB-1232 (Aroclor 1232)	1		ND	0.0333	0.110	17-Oct-08 20:11	SLF
53469-21-9	PCB-1242 (Aroclor 1242)	1		ND	0.0333	0.110	17-Oct-08 20:11	SLF
12672-29-6	PCB-1248 (Aroclor 1248)	1		ND	0.0333	0.110	17-Oct-08 20:11	SLF
11097-69-1	PCB-1254 (Aroclor 1254)	1		ND	0.0333	0.110	17-Oct-08 20:11	SLF
11096-82-5	PCB-1260 (Aroclor 1260)	1		ND	0.0333	0.110	17-Oct-08 20:11	SLF

7 compound(s) reported

Protocol 11/5/2008 13:28:40

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-04
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645518
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108752
Method: EPA 8151
8151 Herbs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: ug/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
94-75-7	2,4-D	1		ND	66.7		24-Oct-08 18:43	SLF
94-82-6	2,4-DB	1		ND	167.		24-Oct-08 18:43	SLF
1918-00-9	Dicamba	1		ND	66.7		24-Oct-08 18:43	SLF
120-36-5	Dichloroprop	1		ND	66.7		24-Oct-08 18:43	SLF
94-74-6	MCPA	1		ND	8330		24-Oct-08 18:43	SLF
7085-19-0	MCPP	1		ND	8330		24-Oct-08 18:43	SLF
93-76-5	2,4,5-T	1		ND	66.7		24-Oct-08 18:43	SLF
93-72-1	2,4,5-TP (Silvex)	1		ND	66.7		24-Oct-08 18:43	SLF

8 compound(s) reported

Protocol 11/5/2008 13:28:40

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-05
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645519
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108808
Method: EPA 8015 Mod Ext
8015 TPH Extractables Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Diesel Range Organics (C10-28)	1		48.2	10.0	65.0	28-Oct-08 18:55 SPP1
	Oil Range Organics (>C28-40)	1		76.0	50.0	180.	28-Oct-08 18:55 SPP1

2 compound(s) reported

Protocol 11/5/2008 13:28:40

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-05
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645519
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108768
Method: EPA 8015/8021
8015/8021 Med Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Gasoline Range Organics(C6-10)	1		ND	3.93	65.0	17-Oct-08 21:07 TLB1

1 compound(s) reported

Protocol 11/5/2008 13:28:40

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-05
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645519
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108750
Method: EPA 8081
8081 Pests Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
309-00-2	Aldrin	1		ND	0.00170	0.0280	23-Oct-08 19:24	SLF
319-84-6	alpha-BHC	1		ND	0.00170	0.00640	23-Oct-08 19:24	SLF
319-85-7	beta-BHC	1		ND	0.00170	0.0160	23-Oct-08 19:24	SLF
58-89-9	gamma-BHC (Lindane)	1		ND	0.00170	0.0330	23-Oct-08 19:24	SLF
57-74-9	Chlordane	1		ND	0.00333	1.60	23-Oct-08 19:24	SLF
72-54-8	4,4'-DDD	1		ND	0.00333	1.50	23-Oct-08 19:24	SLF
72-55-9	4,4'-DDE	1		ND	0.00333	1.70	23-Oct-08 19:24	SLF
50-29-3	4,4'-DDT	1		ND	0.00333	1.70	23-Oct-08 19:24	SLF
60-57-1	Dieldrin	1		ND	0.00333	0.0300	23-Oct-08 19:24	SLF
959-98-8	Endosulfan I	1		ND	0.00170	34.0	23-Oct-08 19:24	SLF
33213-65-9	Endosulfan II	1		ND	0.00333	34.0	23-Oct-08 19:24	SLF
72-20-8	Endrin	1		ND	0.00333	1.80	23-Oct-08 19:24	SLF
76-44-8	Heptachlor	1		ND	0.00170	0.0160	23-Oct-08 19:24	SLF
1024-57-3	Heptachlor epoxide	1		ND	0.00170	0.0530	23-Oct-08 19:24	SLF
72-43-5	Methoxychlor	1		ND	0.0167	30.0	23-Oct-08 19:24	SLF
8001-35-2	Toxaphene	1		ND	0.0670	0.440	23-Oct-08 19:24	SLF

16 compound(s) reported

Protocol 11/5/2008 13:28:40

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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-05
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645519
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108751
Method: EPA 8082
8082 PCBs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
12674-11-2	PCB-1016 (Aroclor 1016)	1		ND	0.0333	0.110	17-Oct-08 20:25	SLF
11104-28-2	PCB-1221 (Aroclor 1221)	1		ND	0.0333	0.110	17-Oct-08 20:25	SLF
11141-16-5	PCB-1232 (Aroclor 1232)	1		ND	0.0333	0.110	17-Oct-08 20:25	SLF
53469-21-9	PCB-1242 (Aroclor 1242)	1		ND	0.0333	0.110	17-Oct-08 20:25	SLF
12672-29-6	PCB-1248 (Aroclor 1248)	1		ND	0.0333	0.110	17-Oct-08 20:25	SLF
11097-69-1	PCB-1254 (Aroclor 1254)	1		ND	0.0333	0.110	17-Oct-08 20:25	SLF
11096-82-5	PCB-1260 (Aroclor 1260)	1		ND	0.0333	0.110	17-Oct-08 20:25	SLF

7 compound(s) reported

Protocol 11/5/2008 13:28:40

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-05
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645519
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108752
Method: EPA 8151
8151 Herbs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: ug/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
94-75-7	2,4-D	1		ND	66.7		24-Oct-08 18:59	SLF
94-82-6	2,4-DB	1		ND	167.		24-Oct-08 18:59	SLF
1918-00-9	Dicamba	1		ND	66.7		24-Oct-08 18:59	SLF
120-36-5	Dichloroprop	1		ND	66.7		24-Oct-08 18:59	SLF
94-74-6	MCPA	1		ND	8330		24-Oct-08 18:59	SLF
7085-19-0	MCPP	1		ND	8330		24-Oct-08 18:59	SLF
93-76-5	2,4,5-T	1		ND	66.7		24-Oct-08 18:59	SLF
93-72-1	2,4,5-TP (Silvex)	1		ND	66.7		24-Oct-08 18:59	SLF

8 compound(s) reported

Protocol 11/5/2008 13:28:40

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-06
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645520
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108808
Method: EPA 8015 Mod Ext
8015 TPH Extractables Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Diesel Range Organics (C10-28)	1	N	10.6	10.0	65.0	28-Oct-08 19:21 SPP1
	Oil Range Organics (>C28-40)	1	N	ND	50.0	180.	28-Oct-08 19:21 SPP1

2 compound(s) reported

Protocol 11/5/2008 13:28:40

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-06
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645520
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108768
Method: EPA 8015/8021
8015/8021 Med Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Gasoline Range Organics(C6-10)	1		ND	2.77	65.0	17-Oct-08 21:32 TLB1

1 compound(s) reported

Protocol 11/5/2008 13:28:40

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-06
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645520
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108750
Method: EPA 8081
8081 Pests Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
309-00-2	Aldrin	1		ND	0.00170	0.0280	23-Oct-08 19:42	SLF
319-84-6	alpha-BHC	1		ND	0.00170	0.00640	23-Oct-08 19:42	SLF
319-85-7	beta-BHC	1		ND	0.00170	0.0160	23-Oct-08 19:42	SLF
58-89-9	gamma-BHC (Lindane)	1		ND	0.00170	0.0330	23-Oct-08 19:42	SLF
57-74-9	Chlordane	1		ND	0.00333	1.60	23-Oct-08 19:42	SLF
72-54-8	4,4'-DDD	1		ND	0.00333	1.50	23-Oct-08 19:42	SLF
72-55-9	4,4'-DDE	1		ND	0.00333	1.70	23-Oct-08 19:42	SLF
50-29-3	4,4'-DDT	1		ND	0.00333	1.70	23-Oct-08 19:42	SLF
60-57-1	Dieldrin	1		ND	0.00333	0.0300	23-Oct-08 19:42	SLF
959-98-8	Endosulfan I	1		ND	0.00170	34.0	23-Oct-08 19:42	SLF
33213-65-9	Endosulfan II	1		ND	0.00333	34.0	23-Oct-08 19:42	SLF
72-20-8	Endrin	1		ND	0.00333	1.80	23-Oct-08 19:42	SLF
76-44-8	Heptachlor	1		ND	0.00170	0.0160	23-Oct-08 19:42	SLF
1024-57-3	Heptachlor epoxide	1		ND	0.00170	0.0530	23-Oct-08 19:42	SLF
72-43-5	Methoxychlor	1		ND	0.0167	30.0	23-Oct-08 19:42	SLF
8001-35-2	Toxaphene	1		ND	0.0670	0.440	23-Oct-08 19:42	SLF

16 compound(s) reported

Protocol 11/5/2008 13:28:40

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MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-06
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645520
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108751
Method: EPA 8082
8082 PCBs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
12674-11-2	PCB-1016 (Aroclor 1016)	1		ND	0.0333	0.110	17-Oct-08 20:39	SLF
11104-28-2	PCB-1221 (Aroclor 1221)	1		ND	0.0333	0.110	17-Oct-08 20:39	SLF
11141-16-5	PCB-1232 (Aroclor 1232)	1		ND	0.0333	0.110	17-Oct-08 20:39	SLF
53469-21-9	PCB-1242 (Aroclor 1242)	1		ND	0.0333	0.110	17-Oct-08 20:39	SLF
12672-29-6	PCB-1248 (Aroclor 1248)	1		ND	0.0333	0.110	17-Oct-08 20:39	SLF
11097-69-1	PCB-1254 (Aroclor 1254)	1		ND	0.0333	0.110	17-Oct-08 20:39	SLF
11096-82-5	PCB-1260 (Aroclor 1260)	1		ND	0.0333	0.110	17-Oct-08 20:39	SLF

7 compound(s) reported

Protocol 11/5/2008 13:28:40

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-06
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645520
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108752
Method: EPA 8151
8151 Herbs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: ug/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
94-75-7	2,4-D	1		ND	66.7		24-Oct-08 19:15	SLF
94-82-6	2,4-DB	1		ND	167.		24-Oct-08 19:15	SLF
1918-00-9	Dicamba	1		ND	66.7		24-Oct-08 19:15	SLF
120-36-5	Dichloroprop	1		ND	66.7		24-Oct-08 19:15	SLF
94-74-6	MCPA	1		ND	8330		24-Oct-08 19:15	SLF
7085-19-0	MCPP	1		ND	8330		24-Oct-08 19:15	SLF
93-76-5	2,4,5-T	1		ND	66.7		24-Oct-08 19:15	SLF
93-72-1	2,4,5-TP (Silvex)	1		ND	66.7		24-Oct-08 19:15	SLF

8 compound(s) reported

Protocol 11/5/2008 13:28:40

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-06
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645520RE1
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 109481
Method: EPA 8015 Mod Ext
8015 TPH Extractables Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 30-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Diesel Range Organics (C10-28)	1	N	11.4	10.0	65.0	04-Nov-08 13:57 SNP1
	Oil Range Organics (>C28-40)	1	N	ND	50.0	180.	04-Nov-08 13:57 SNP1

2 compound(s) reported

Protocol 11/5/2008 13:28:40

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-07
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645521
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108808
Method: EPA 8015 Mod Ext
8015 TPH Extractables Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Diesel Range Organics (C10-28)	1		104.	10.0	65.0	28-Oct-08 19:46 SPP1
	Oil Range Organics (>C28-40)	1		105.	50.0	180.	28-Oct-08 19:46 SPP1

2 compound(s) reported

Protocol 11/5/2008 13:28:40

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-07
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645521
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108768
Method: EPA 8015/8021
8015/8021 Med Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Gasoline Range Organics(C6-10)	1		ND	3.68	65.0	17-Oct-08 21:57 TLB1

1 compound(s) reported

Protocol 11/5/2008 13:28:40

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-07
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645521
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108750
Method: EPA 8081
8081 Pests Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
309-00-2	Aldrin	1		ND	0.00170	0.0280	23-Oct-08 20:01	SLF
319-84-6	alpha-BHC	1		ND	0.00170	0.00640	23-Oct-08 20:01	SLF
319-85-7	beta-BHC	1		ND	0.00170	0.0160	23-Oct-08 20:01	SLF
58-89-9	gamma-BHC (Lindane)	1		ND	0.00170	0.0330	23-Oct-08 20:01	SLF
57-74-9	Chlordane	1		ND	0.00333	1.60	23-Oct-08 20:01	SLF
72-54-8	4,4'-DDD	1		ND	0.00333	1.50	23-Oct-08 20:01	SLF
72-55-9	4,4'-DDE	1		ND	0.00333	1.70	23-Oct-08 20:01	SLF
50-29-3	4,4'-DDT	1		ND	0.00333	1.70	23-Oct-08 20:01	SLF
60-57-1	Dieldrin	1		ND	0.00333	0.0300	23-Oct-08 20:01	SLF
959-98-8	Endosulfan I	1		ND	0.00170	34.0	23-Oct-08 20:01	SLF
33213-65-9	Endosulfan II	1		ND	0.00333	34.0	23-Oct-08 20:01	SLF
72-20-8	Endrin	1		ND	0.00333	1.80	23-Oct-08 20:01	SLF
76-44-8	Heptachlor	1		ND	0.00170	0.0160	23-Oct-08 20:01	SLF
1024-57-3	Heptachlor epoxide	1		ND	0.00170	0.0530	23-Oct-08 20:01	SLF
72-43-5	Methoxychlor	1		ND	0.0167	30.0	23-Oct-08 20:01	SLF
8001-35-2	Toxaphene	1		ND	0.0670	0.440	23-Oct-08 20:01	SLF

16 compound(s) reported

Protocol 11/5/2008 13:28:40

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-07
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645521
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108751
Method: EPA 8082
8082 PCBs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
12674-11-2	PCB-1016 (Aroclor 1016)	1		ND	0.0333	0.110	17-Oct-08 20:53	SLF
11104-28-2	PCB-1221 (Aroclor 1221)	1		ND	0.0333	0.110	17-Oct-08 20:53	SLF
11141-16-5	PCB-1232 (Aroclor 1232)	1		ND	0.0333	0.110	17-Oct-08 20:53	SLF
53469-21-9	PCB-1242 (Aroclor 1242)	1		ND	0.0333	0.110	17-Oct-08 20:53	SLF
12672-29-6	PCB-1248 (Aroclor 1248)	1		ND	0.0333	0.110	17-Oct-08 20:53	SLF
11097-69-1	PCB-1254 (Aroclor 1254)	1		ND	0.0333	0.110	17-Oct-08 20:53	SLF
11096-82-5	PCB-1260 (Aroclor 1260)	1		ND	0.0333	0.110	17-Oct-08 20:53	SLF

7 compound(s) reported

Protocol 11/5/2008 13:28:40

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-07
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645521
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108752
Method: EPA 8151
8151 Herbs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: ug/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
94-75-7	2,4-D	1		ND	66.7		24-Oct-08 19:32	SLF
94-82-6	2,4-DB	1		ND	167.		24-Oct-08 19:32	SLF
1918-00-9	Dicamba	1		ND	66.7		24-Oct-08 19:32	SLF
120-36-5	Dichloroprop	1		ND	66.7		24-Oct-08 19:32	SLF
94-74-6	MCPA	1		ND	8330		24-Oct-08 19:32	SLF
7085-19-0	MCPP	1		ND	8330		24-Oct-08 19:32	SLF
93-76-5	2,4,5-T	1		ND	66.7		24-Oct-08 19:32	SLF
93-72-1	2,4,5-TP (Silvex)	1		ND	66.7		24-Oct-08 19:32	SLF

8 compound(s) reported

Protocol 11/5/2008 13:28:40

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645522
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108808
Method: EPA 8015 Mod Ext
8015 TPH Extractables Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Diesel Range Organics (C10-28)	1		70.5	10.0	65.0	28-Oct-08 20:12 SPP1
	Oil Range Organics (>C28-40)	1		ND	50.0	180.	28-Oct-08 20:12 SPP1

2 compound(s) reported

Protocol 11/5/2008 13:28:40

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MDL denotes method detection limit

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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645522
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108768
Method: EPA 8015/8021
8015/8021 Med Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Gasoline Range Organics(C6-10)	1		ND	3.31	65.0	17-Oct-08 22:22 TLB1

1 compound(s) reported

Protocol 11/5/2008 13:28:40

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645522
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108750
Method: EPA 8081
8081 Pests Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
309-00-2	Aldrin	1		ND	0.00170	0.0280	23-Oct-08 20:19	SLF
319-84-6	alpha-BHC	1		ND	0.00170	0.00640	23-Oct-08 20:19	SLF
319-85-7	beta-BHC	1		ND	0.00170	0.0160	23-Oct-08 20:19	SLF
58-89-9	gamma-BHC (Lindane)	1		ND	0.00170	0.0330	23-Oct-08 20:19	SLF
57-74-9	Chlordane	1		ND	0.00333	1.60	23-Oct-08 20:19	SLF
72-54-8	4,4'-DDD	1		ND	0.00333	1.50	23-Oct-08 20:19	SLF
72-55-9	4,4'-DDE	1		ND	0.00333	1.70	23-Oct-08 20:19	SLF
50-29-3	4,4'-DDT	1		ND	0.00333	1.70	23-Oct-08 20:19	SLF
60-57-1	Dieldrin	1		ND	0.00333	0.0300	23-Oct-08 20:19	SLF
959-98-8	Endosulfan I	1		ND	0.00170	34.0	23-Oct-08 20:19	SLF
33213-65-9	Endosulfan II	1		ND	0.00333	34.0	23-Oct-08 20:19	SLF
72-20-8	Endrin	1		ND	0.00333	1.80	23-Oct-08 20:19	SLF
76-44-8	Heptachlor	1		ND	0.00170	0.0160	23-Oct-08 20:19	SLF
1024-57-3	Heptachlor epoxide	1		ND	0.00170	0.0530	23-Oct-08 20:19	SLF
72-43-5	Methoxychlor	1		ND	0.0167	30.0	23-Oct-08 20:19	SLF
8001-35-2	Toxaphene	1		ND	0.0670	0.440	23-Oct-08 20:19	SLF

16 compound(s) reported

Protocol 11/5/2008 13:28:40

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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645522
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108751
Method: EPA 8082
8082 PCBs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
12674-11-2	PCB-1016 (Aroclor 1016)	1		ND	0.0333	0.110	17-Oct-08 21:07	SLF
11104-28-2	PCB-1221 (Aroclor 1221)	1		ND	0.0333	0.110	17-Oct-08 21:07	SLF
11141-16-5	PCB-1232 (Aroclor 1232)	1		ND	0.0333	0.110	17-Oct-08 21:07	SLF
53469-21-9	PCB-1242 (Aroclor 1242)	1		ND	0.0333	0.110	17-Oct-08 21:07	SLF
12672-29-6	PCB-1248 (Aroclor 1248)	1		ND	0.0333	0.110	17-Oct-08 21:07	SLF
11097-69-1	PCB-1254 (Aroclor 1254)	1		ND	0.0333	0.110	17-Oct-08 21:07	SLF
11096-82-5	PCB-1260 (Aroclor 1260)	1		ND	0.0333	0.110	17-Oct-08 21:07	SLF

7 compound(s) reported

Protocol 11/5/2008 13:28:40

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645522
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108752
Method: EPA 8151
8151 Herbs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: ug/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
94-75-7	2,4-D	1		ND	66.7		24-Oct-08 19:48	SLF
94-82-6	2,4-DB	1		ND	167.		24-Oct-08 19:48	SLF
1918-00-9	Dicamba	1		ND	66.7		24-Oct-08 19:48	SLF
120-36-5	Dichloroprop	1		ND	66.7		24-Oct-08 19:48	SLF
94-74-6	MCPA	1		ND	8330		24-Oct-08 19:48	SLF
7085-19-0	MCPP	1		ND	8330		24-Oct-08 19:48	SLF
93-76-5	2,4,5-T	1		ND	66.7		24-Oct-08 19:48	SLF
93-72-1	2,4,5-TP (Silvex)	1		ND	66.7		24-Oct-08 19:48	SLF

8 compound(s) reported

Protocol 11/5/2008 13:28:40

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MDL denotes method detection limit

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-09
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645523
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108808
Method: EPA 8015 Mod Ext
8015 TPH Extractables Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Diesel Range Organics (C10-28)	1		165.	10.0	65.0	28-Oct-08 20:37 SPP1
	Oil Range Organics (>C28-40)	1		111.	50.0	180.	28-Oct-08 20:37 SPP1

2 compound(s) reported

Protocol 11/5/2008 13:28:40

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MDL denotes method detection limit

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For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-09
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645523
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108768
Method: EPA 8015/8021
8015/8021 Med Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Gasoline Range Organics(C6-10)	1		ND	2.85	65.0	17-Oct-08 22:46 TLB1

1 compound(s) reported

Protocol 11/5/2008 13:28:40

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-09
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645523
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108750
Method: EPA 8081
8081 Pests Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
309-00-2	Aldrin	1		ND	0.00170	0.0280	23-Oct-08 20:38	SLF
319-84-6	alpha-BHC	1		ND	0.00170	0.00640	23-Oct-08 20:38	SLF
319-85-7	beta-BHC	1		ND	0.00170	0.0160	23-Oct-08 20:38	SLF
58-89-9	gamma-BHC (Lindane)	1		ND	0.00170	0.0330	23-Oct-08 20:38	SLF
57-74-9	Chlordane	1		ND	0.00333	1.60	23-Oct-08 20:38	SLF
72-54-8	4,4'-DDD	1		ND	0.00333	1.50	23-Oct-08 20:38	SLF
72-55-9	4,4'-DDE	1		ND	0.00333	1.70	23-Oct-08 20:38	SLF
50-29-3	4,4'-DDT	1		ND	0.00333	1.70	23-Oct-08 20:38	SLF
60-57-1	Dieldrin	1		ND	0.00333	0.0300	23-Oct-08 20:38	SLF
959-98-8	Endosulfan I	1		ND	0.00170	34.0	23-Oct-08 20:38	SLF
33213-65-9	Endosulfan II	1		ND	0.00333	34.0	23-Oct-08 20:38	SLF
72-20-8	Endrin	1		ND	0.00333	1.80	23-Oct-08 20:38	SLF
76-44-8	Heptachlor	1		ND	0.00170	0.0160	23-Oct-08 20:38	SLF
1024-57-3	Heptachlor epoxide	1		ND	0.00170	0.0530	23-Oct-08 20:38	SLF
72-43-5	Methoxychlor	1		ND	0.0167	30.0	23-Oct-08 20:38	SLF
8001-35-2	Toxaphene	1		ND	0.0670	0.440	23-Oct-08 20:38	SLF

16 compound(s) reported

Protocol 11/5/2008 13:28:40

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-09
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645523
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108751
Method: EPA 8082
8082 PCBs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
12674-11-2	PCB-1016 (Aroclor 1016)	1		ND	0.0333	0.110	17-Oct-08 21:22	SLF
11104-28-2	PCB-1221 (Aroclor 1221)	1		ND	0.0333	0.110	17-Oct-08 21:22	SLF
11141-16-5	PCB-1232 (Aroclor 1232)	1		ND	0.0333	0.110	17-Oct-08 21:22	SLF
53469-21-9	PCB-1242 (Aroclor 1242)	1		ND	0.0333	0.110	17-Oct-08 21:22	SLF
12672-29-6	PCB-1248 (Aroclor 1248)	1		ND	0.0333	0.110	17-Oct-08 21:22	SLF
11097-69-1	PCB-1254 (Aroclor 1254)	1		ND	0.0333	0.110	17-Oct-08 21:22	SLF
11096-82-5	PCB-1260 (Aroclor 1260)	1		ND	0.0333	0.110	17-Oct-08 21:22	SLF

7 compound(s) reported

Protocol 11/5/2008 13:28:40

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-09
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645523
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108752
Method: EPA 8151
8151 Herbs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: ug/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
94-75-7	2,4-D	1		ND	66.7		27-Oct-08 13:25	SLF
94-82-6	2,4-DB	1		ND	167.		27-Oct-08 13:25	SLF
1918-00-9	Dicamba	1		ND	66.7		27-Oct-08 13:25	SLF
120-36-5	Dichloroprop	1		ND	66.7		27-Oct-08 13:25	SLF
94-74-6	MCPA	1		ND	8330		27-Oct-08 13:25	SLF
7085-19-0	MCPP	1		ND	8330		27-Oct-08 13:25	SLF
93-76-5	2,4,5-T	1		ND	66.7		27-Oct-08 13:25	SLF
93-72-1	2,4,5-TP (Silvex)	1		ND	66.7		27-Oct-08 13:25	SLF

8 compound(s) reported

Protocol 11/5/2008 13:28:41

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-10
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645524
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108808
Method: EPA 8015 Mod Ext
8015 TPH Extractables Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Diesel Range Organics (C10-28)	1		112.	10.0	65.0	28-Oct-08 21:02 SPP1
	Oil Range Organics (>C28-40)	1		124.	50.0	180.	28-Oct-08 21:02 SPP1

2 compound(s) reported

Protocol 11/5/2008 13:28:41

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-10
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645524
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108768
Method: EPA 8015/8021
8015/8021 Med Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Gasoline Range Organics(C6-10)	1		ND	3.37	65.0	17-Oct-08 23:11 TLB1

1 compound(s) reported

Protocol 11/5/2008 13:28:41

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-10
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645524
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108750
Method: EPA 8081
8081 Pests Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
309-00-2	Aldrin	1		ND	0.00170	0.0280	23-Oct-08 20:57	SLF
319-84-6	alpha-BHC	1		ND	0.00170	0.00640	23-Oct-08 20:57	SLF
319-85-7	beta-BHC	1		ND	0.00170	0.0160	23-Oct-08 20:57	SLF
58-89-9	gamma-BHC (Lindane)	1		ND	0.00170	0.0330	23-Oct-08 20:57	SLF
57-74-9	Chlordane	1		ND	0.00333	1.60	23-Oct-08 20:57	SLF
72-54-8	4,4'-DDD	1		ND	0.00333	1.50	23-Oct-08 20:57	SLF
72-55-9	4,4'-DDE	1		ND	0.00333	1.70	23-Oct-08 20:57	SLF
50-29-3	4,4'-DDT	1		ND	0.00333	1.70	23-Oct-08 20:57	SLF
60-57-1	Dieldrin	1		ND	0.00333	0.0300	23-Oct-08 20:57	SLF
959-98-8	Endosulfan I	1		ND	0.00170	34.0	23-Oct-08 20:57	SLF
33213-65-9	Endosulfan II	1		ND	0.00333	34.0	23-Oct-08 20:57	SLF
72-20-8	Endrin	1		ND	0.00333	1.80	23-Oct-08 20:57	SLF
76-44-8	Heptachlor	1		ND	0.00170	0.0160	23-Oct-08 20:57	SLF
1024-57-3	Heptachlor epoxide	1		ND	0.00170	0.0530	23-Oct-08 20:57	SLF
72-43-5	Methoxychlor	1		ND	0.0167	30.0	23-Oct-08 20:57	SLF
8001-35-2	Toxaphene	1		ND	0.0670	0.440	23-Oct-08 20:57	SLF

16 compound(s) reported

Protocol 11/5/2008 13:28:41

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-10
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645524
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108751
Method: EPA 8082
8082 PCBs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
12674-11-2	PCB-1016 (Aroclor 1016)	1		ND	0.0333	0.110	17-Oct-08 21:36	SLF
11104-28-2	PCB-1221 (Aroclor 1221)	1		ND	0.0333	0.110	17-Oct-08 21:36	SLF
11141-16-5	PCB-1232 (Aroclor 1232)	1		ND	0.0333	0.110	17-Oct-08 21:36	SLF
53469-21-9	PCB-1242 (Aroclor 1242)	1		ND	0.0333	0.110	17-Oct-08 21:36	SLF
12672-29-6	PCB-1248 (Aroclor 1248)	1		ND	0.0333	0.110	17-Oct-08 21:36	SLF
11097-69-1	PCB-1254 (Aroclor 1254)	1		ND	0.0333	0.110	17-Oct-08 21:36	SLF
11096-82-5	PCB-1260 (Aroclor 1260)	1		ND	0.0333	0.110	17-Oct-08 21:36	SLF

7 compound(s) reported

Protocol 11/5/2008 13:28:41

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-10
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645524
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108752
Method: EPA 8151
8151 Herbs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: ug/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
94-75-7	2,4-D	1		ND	66.7		27-Oct-08 13:42	SLF
94-82-6	2,4-DB	1		ND	167.		27-Oct-08 13:42	SLF
1918-00-9	Dicamba	1		ND	66.7		27-Oct-08 13:42	SLF
120-36-5	Dichloroprop	1		ND	66.7		27-Oct-08 13:42	SLF
94-74-6	MCPA	1		ND	8330		27-Oct-08 13:42	SLF
7085-19-0	MCPP	1		ND	8330		27-Oct-08 13:42	SLF
93-76-5	2,4,5-T	1		ND	66.7		27-Oct-08 13:42	SLF
93-72-1	2,4,5-TP (Silvex)	1		ND	66.7		27-Oct-08 13:42	SLF

8 compound(s) reported

Protocol 11/5/2008 13:28:41

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-03A
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645525
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108808
Method: EPA 8015 Mod Ext
8015 TPH Extractables Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Diesel Range Organics (C10-28)	1		29.5	10.0	65.0	28-Oct-08 22:19 SPP1
	Oil Range Organics (>C28-40)	1		72.6	50.0	180.	28-Oct-08 22:19 SPP1

2 compound(s) reported

Protocol 11/5/2008 13:28:41

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-03A
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645525
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108768
Method: EPA 8015/8021
8015/8021 Med Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Gasoline Range Organics(C6-10)	1		ND	2.83	65.0	18-Oct-08 00:26 TLB1

1 compound(s) reported

Protocol 11/5/2008 13:28:41

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-03A
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645525
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108750
Method: EPA 8081
8081 Pests Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
309-00-2	Aldrin	1		ND	0.00170	0.0280	23-Oct-08 21:53	SLF
319-84-6	alpha-BHC	1		ND	0.00170	0.00640	23-Oct-08 21:53	SLF
319-85-7	beta-BHC	1		ND	0.00170	0.0160	23-Oct-08 21:53	SLF
58-89-9	gamma-BHC (Lindane)	1		ND	0.00170	0.0330	23-Oct-08 21:53	SLF
57-74-9	Chlordane	1		ND	0.00333	1.60	23-Oct-08 21:53	SLF
72-54-8	4,4'-DDD	1		ND	0.00333	1.50	23-Oct-08 21:53	SLF
72-55-9	4,4'-DDE	1		ND	0.00333	1.70	23-Oct-08 21:53	SLF
50-29-3	4,4'-DDT	1		ND	0.00333	1.70	23-Oct-08 21:53	SLF
60-57-1	Dieldrin	1		ND	0.00333	0.0300	23-Oct-08 21:53	SLF
959-98-8	Endosulfan I	1		ND	0.00170	34.0	23-Oct-08 21:53	SLF
33213-65-9	Endosulfan II	1		ND	0.00333	34.0	23-Oct-08 21:53	SLF
72-20-8	Endrin	1		ND	0.00333	1.80	23-Oct-08 21:53	SLF
76-44-8	Heptachlor	1		ND	0.00170	0.0160	23-Oct-08 21:53	SLF
1024-57-3	Heptachlor epoxide	1		ND	0.00170	0.0530	23-Oct-08 21:53	SLF
72-43-5	Methoxychlor	1		ND	0.0167	30.0	23-Oct-08 21:53	SLF
8001-35-2	Toxaphene	1		ND	0.0670	0.440	23-Oct-08 21:53	SLF

16 compound(s) reported

Protocol 11/5/2008 13:28:41

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-03A
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645525
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108751
Method: EPA 8082
8082 PCBs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
12674-11-2	PCB-1016 (Aroclor 1016)	1		ND	0.0333	0.110	17-Oct-08 22:18	SLF
11104-28-2	PCB-1221 (Aroclor 1221)	1		ND	0.0333	0.110	17-Oct-08 22:18	SLF
11141-16-5	PCB-1232 (Aroclor 1232)	1		ND	0.0333	0.110	17-Oct-08 22:18	SLF
53469-21-9	PCB-1242 (Aroclor 1242)	1		ND	0.0333	0.110	17-Oct-08 22:18	SLF
12672-29-6	PCB-1248 (Aroclor 1248)	1		ND	0.0333	0.110	17-Oct-08 22:18	SLF
11097-69-1	PCB-1254 (Aroclor 1254)	1		ND	0.0333	0.110	17-Oct-08 22:18	SLF
11096-82-5	PCB-1260 (Aroclor 1260)	1		ND	0.0333	0.110	17-Oct-08 22:18	SLF

7 compound(s) reported

Protocol 11/5/2008 13:28:41

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-03A
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645525
Matrix: Soil
% Moisture: 0 Not Corrected
Description: None
Prep Level: Soil
Batch: 108752
Method: EPA 8151
8151 Herbs Low Soil
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: ug/kg

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
94-75-7	2,4-D	1		ND	66.7		27-Oct-08 14:31	SLF
94-82-6	2,4-DB	1		ND	167.		27-Oct-08 14:31	SLF
1918-00-9	Dicamba	1		ND	66.7		27-Oct-08 14:31	SLF
120-36-5	Dichloroprop	1		ND	66.7		27-Oct-08 14:31	SLF
94-74-6	MCPA	1		ND	8330		27-Oct-08 14:31	SLF
7085-19-0	MCPP	1		ND	8330		27-Oct-08 14:31	SLF
93-76-5	2,4,5-T	1		ND	66.7		27-Oct-08 14:31	SLF
93-72-1	2,4,5-TP (Silvex)	1		ND	66.7		27-Oct-08 14:31	SLF

8 compound(s) reported

Protocol 11/5/2008 13:28:41

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: W-3503ACE-RB-07-10-14-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645526
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 108789
Method: EPA 8015 Mod Ext
8015 TPH Extractables Water
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/L

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Diesel Range Organics (C10-28)	1		ND	0.150	0.150	17-Oct-08 00:48 SPP1
	Oil Range Organics (>C28-40)	1		ND	0.150	0.150	17-Oct-08 00:48 SPP1

2 compound(s) reported

Protocol 11/5/2008 13:28:41

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: W-3503ACE-RB-07-10-14-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645526
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 108791
Method: EPA 8015/8021
8015/8021 Water
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 17-Oct-08

Units: mg/L

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Gasoline Range Organics(C6-10)	1		ND	0.0500	0.150	17-Oct-08 16:08 TLB1

1 compound(s) reported

Protocol 11/5/2008 13:28:41

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: W-3503ACE-RB-07-10-14-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645526
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 108758
Method: EPA 8081
8081 Pests Water
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/L

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
309-00-2	Aldrin	1		ND	0.000050	0.00190	23-Oct-08 00:31	SLF
319-84-6	alpha-BHC	1		ND	0.000050	0.000030	23-Oct-08 00:31	SLF
319-85-7	beta-BHC	1		ND	0.000050	0.000060	23-Oct-08 00:31	SLF
58-89-9	gamma-BHC (Lindane)	1		ND	0.000050	0.000200	23-Oct-08 00:31	SLF
57-74-9	Chlordane	1		ND	0.000500	0.00200	23-Oct-08 00:31	SLF
72-54-8	4,4'-DDD	1		ND	0.000100	0.000280	23-Oct-08 00:31	SLF
72-55-9	4,4'-DDE	1		ND	0.000100	0.000200	23-Oct-08 00:31	SLF
50-29-3	4,4'-DDT	1		ND	0.000100	0.000300	23-Oct-08 00:31	SLF
60-57-1	Dieldrin	1		ND	0.000100	0.00250	23-Oct-08 00:31	SLF
959-98-8	Endosulfan I	1		ND	0.000050	0.0220	23-Oct-08 00:31	SLF
33213-65-9	Endosulfan II	1		ND	0.000100	0.0220	23-Oct-08 00:31	SLF
72-20-8	Endrin	1		ND	0.000100	0.00200	23-Oct-08 00:31	SLF
76-44-8	Heptachlor	1		ND	0.000050	0.000400	23-Oct-08 00:31	SLF
1024-57-3	Heptachlor epoxide	1		ND	0.000050	0.000200	23-Oct-08 00:31	SLF
72-43-5	Methoxychlor	1		ND	0.000500	0.0400	23-Oct-08 00:31	SLF
8001-35-2	Toxaphene	1		ND	0.00200	0.00300	23-Oct-08 00:31	SLF

16 compound(s) reported

Protocol 11/5/2008 13:28:41

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MDL denotes method detection limit

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: W-3503ACE-RB-07-10-14-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645526
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 108759
Method: EPA 8082
8082 PCBs Water
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: mg/L

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
12674-11-2	PCB-1016 (Aroclor 1016)	1		ND	0.00100	0.000500	17-Oct-08 23:00	SLF
11104-28-2	PCB-1221 (Aroclor 1221)	1		ND	0.00100	0.000500	17-Oct-08 23:00	SLF
11141-16-5	PCB-1232 (Aroclor 1232)	1		ND	0.00100	0.000500	17-Oct-08 23:00	SLF
53469-21-9	PCB-1242 (Aroclor 1242)	1		ND	0.00100	0.000500	17-Oct-08 23:00	SLF
12672-29-6	PCB-1248 (Aroclor 1248)	1		ND	0.00100	0.000500	17-Oct-08 23:00	SLF
11097-69-1	PCB-1254 (Aroclor 1254)	1		ND	0.00100	0.000500	17-Oct-08 23:00	SLF
11096-82-5	PCB-1260 (Aroclor 1260)	1		ND	0.00100	0.000500	17-Oct-08 23:00	SLF

7 compound(s) reported

Protocol 11/5/2008 13:28:41

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Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: W-3503ACE-RB-07-10-14-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645526
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 108760
Method: EPA 8151
8151 Herbs Water
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 16-Oct-08

Units: ug/L

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis	
94-75-7	2,4-D	1		ND	2.00		22-Oct-08 16:51	SLF
94-82-6	2,4-DB	1		ND	5.00		22-Oct-08 16:51	SLF
1918-00-9	Dicamba	1		ND	2.00		22-Oct-08 16:51	SLF
120-36-5	Dichloroprop	1		ND	2.00		22-Oct-08 16:51	SLF
94-74-6	MCPA	1		ND	250.		22-Oct-08 16:51	SLF
7085-19-0	MCPP	1		ND	250.		22-Oct-08 16:51	SLF
93-76-5	2,4,5-T	1		ND	2.00		22-Oct-08 16:51	SLF
93-72-1	2,4,5-TP (Silvex)	1		ND	2.00		22-Oct-08 16:51	SLF

8 compound(s) reported

Protocol 11/5/2008 13:28:41

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Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: W-3503ACE-TB-10-14-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645529
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 108791
Method: EPA 8015/8021
8015/8021 Water
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 17-Oct-08

Units: mg/L

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Gasoline Range Organics(C6-10)	1		ND	0.0500	0.150	17-Oct-08 16:33 TLB1

1 compound(s) reported

Protocol 11/5/2008 13:28:41

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Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: W-3503ACE-FB-10-14-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645530
Matrix: Water
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 108791
Method: EPA 8015/8021
8015/8021 Water
Collected: 15-Oct-08
Received: 15-Oct-08
Prepared: 20-Oct-08

Units: mg/L

CAS No.	Analyte	Dilution	Qu	Result	Reporting Limit	Reg Limit	Analysis
	Gasoline Range Organics(C6-10)	1		ND	0.0500	0.150	20-Oct-08 17:23 MHM

1 compound(s) reported

Protocol 11/5/2008 13:28:41

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Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-01
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645515
Matrix: Soil
%Moisture: 0 Not Corrected
Description: None
Collected: 15-Oct-08
Received: 15-Oct-08

Analyte	Method	Batch	DF	Qu	Result	Units	Reporting Limit	Prep.	Analysis	Limit
Arsenic	EPA 6010	108779	1		4.12	mg/kg	1.00	17-Oct-08	20-Oct-08 11:19 KJR	
Barium	EPA 6010	108779	1		118.	mg/kg	20.0	17-Oct-08	20-Oct-08 11:19 KJR	
Cadmium	EPA 6010	108779	1		ND	mg/kg	0.500	17-Oct-08	20-Oct-08 11:19 KJR	
Chromium	EPA 6010	108779	1		7.47	mg/kg	1.00	17-Oct-08	20-Oct-08 11:19 KJR	
Lead	EPA 6010	108779	1		14.7	mg/kg	0.500	17-Oct-08	20-Oct-08 11:19 KJR	
Mercury	EPA 7471	108780	1		0.0439	mg/kg	0.0171	20-Oct-08	20-Oct-08 09:27 MHB1	
Selenium	EPA 6010	108779	1		ND	mg/kg	3.50	17-Oct-08	20-Oct-08 11:19 KJR	
Silver	EPA 6010	108779	1		ND	mg/kg	1.00	17-Oct-08	20-Oct-08 11:19 KJR	

8 parameter(s) reported

Inorganics 11/5/2008 13:28:42

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Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-02
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645516
Matrix: Soil
%Moisture: 0 Not Corrected
Description: None
Collected: 15-Oct-08
Received: 15-Oct-08

Analyte	Method	Batch	DF	Qu	Result	Units	Reporting Limit	Prep.	Analysis	Limit
Arsenic	EPA 6010	108779	1		3.96	mg/kg	0.877	17-Oct-08	20-Oct-08 11:24 KJR	
Barium	EPA 6010	108779	1		134.	mg/kg	17.5	17-Oct-08	20-Oct-08 11:24 KJR	
Cadmium	EPA 6010	108779	1		ND	mg/kg	0.439	17-Oct-08	20-Oct-08 11:24 KJR	
Chromium	EPA 6010	108779	1		7.13	mg/kg	0.877	17-Oct-08	20-Oct-08 11:24 KJR	
Lead	EPA 6010	108779	1		9.69	mg/kg	0.439	17-Oct-08	20-Oct-08 11:24 KJR	
Mercury	EPA 7471	108780	1		0.0328	mg/kg	0.0188	20-Oct-08	20-Oct-08 09:28 MHB1	
Selenium	EPA 6010	108779	1		ND	mg/kg	3.07	17-Oct-08	20-Oct-08 11:24 KJR	
Silver	EPA 6010	108779	1		ND	mg/kg	0.877	17-Oct-08	20-Oct-08 11:24 KJR	

8 parameter(s) reported

Inorganics 11/5/2008 13:28:42

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Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-03
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645517
Matrix: Soil
%Moisture: 0 Not Corrected
Description: None
Collected: 15-Oct-08
Received: 15-Oct-08

Analyte	Method	Batch	DF	Qu	Result	Units	Reporting Limit	Prep.	Analysis	Limit
Arsenic	EPA 6010	108779	1		3.55	mg/kg	0.909	17-Oct-08	20-Oct-08 11:28 KJR	
Barium	EPA 6010	108779	1		113.	mg/kg	18.2	17-Oct-08	20-Oct-08 11:28 KJR	
Cadmium	EPA 6010	108779	1		ND	mg/kg	0.455	17-Oct-08	20-Oct-08 11:28 KJR	
Chromium	EPA 6010	108779	1		7.45	mg/kg	0.909	17-Oct-08	20-Oct-08 11:28 KJR	
Lead	EPA 6010	108779	1		12.2	mg/kg	0.455	17-Oct-08	20-Oct-08 11:28 KJR	
Mercury	EPA 7471	108780	1		0.0416	mg/kg	0.0188	20-Oct-08	20-Oct-08 09:30 MHB1	
Selenium	EPA 6010	108779	1		ND	mg/kg	3.18	17-Oct-08	20-Oct-08 11:28 KJR	
Silver	EPA 6010	108779	1		ND	mg/kg	0.909	17-Oct-08	20-Oct-08 11:28 KJR	

8 parameter(s) reported

Inorganics 11/5/2008 13:28:42

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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-04
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645518
Matrix: Soil
%Moisture: 0 Not Corrected
Description: None
Collected: 15-Oct-08
Received: 15-Oct-08

Analyte	Method	Batch	DF	Qu	Result	Units	Reporting Limit	Prep.	Analysis		Limit
Arsenic	EPA 6010	108779	1		4.03	mg/kg	0.862	17-Oct-08	20-Oct-08 11:32	KJR	
Barium	EPA 6010	108779	1		127.	mg/kg	17.2	17-Oct-08	20-Oct-08 11:32	KJR	
Cadmium	EPA 6010	108779	1		ND	mg/kg	0.431	17-Oct-08	20-Oct-08 11:32	KJR	
Chromium	EPA 6010	108779	1		7.20	mg/kg	0.862	17-Oct-08	20-Oct-08 11:32	KJR	
Lead	EPA 6010	108779	1		16.0	mg/kg	0.431	17-Oct-08	20-Oct-08 11:32	KJR	
Mercury	EPA 7471	108780	1		0.0382	mg/kg	0.0182	20-Oct-08	20-Oct-08 09:32	MHB1	
Selenium	EPA 6010	108779	1		ND	mg/kg	3.02	17-Oct-08	20-Oct-08 11:32	KJR	
Silver	EPA 6010	108779	1		ND	mg/kg	0.862	17-Oct-08	20-Oct-08 11:32	KJR	

8 parameter(s) reported

Inorganics 11/5/2008 13:28:42

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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-05
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645519
Matrix: Soil
%Moisture: 0 Not Corrected
Description: None
Collected: 15-Oct-08
Received: 15-Oct-08

Analyte	Method	Batch	DF	Qu	Result	Units	Reporting Limit	Prep.	Analysis	Limit
Arsenic	EPA 6010	108779	1		4.49	mg/kg	0.926	17-Oct-08	20-Oct-08 11:37 KJR	
Barium	EPA 6010	108779	1		130.	mg/kg	18.5	17-Oct-08	20-Oct-08 11:37 KJR	
Cadmium	EPA 6010	108779	1		0.520	mg/kg	0.463	17-Oct-08	20-Oct-08 11:37 KJR	
Chromium	EPA 6010	108779	1		8.01	mg/kg	0.926	17-Oct-08	20-Oct-08 11:37 KJR	
Lead	EPA 6010	108779	1		15.6	mg/kg	0.463	17-Oct-08	20-Oct-08 11:37 KJR	
Mercury	EPA 7471	108780	1		0.0475	mg/kg	0.0182	20-Oct-08	20-Oct-08 09:34 MHB1	
Selenium	EPA 6010	108779	1		ND	mg/kg	3.24	17-Oct-08	20-Oct-08 11:37 KJR	
Silver	EPA 6010	108779	1		ND	mg/kg	0.926	17-Oct-08	20-Oct-08 11:37 KJR	

8 parameter(s) reported

Inorganics 11/5/2008 13:28:42

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Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-06
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645520
Matrix: Soil
%Moisture: 0 Not Corrected
Description: None
Collected: 15-Oct-08
Received: 15-Oct-08

Analyte	Method	Batch	DF	Qu	Result	Units	Reporting Limit	Prep.	Analysis	Limit
Arsenic	EPA 6010	108779	1		3.60	mg/kg	1.00	17-Oct-08	20-Oct-08 11:41 KJR	
Barium	EPA 6010	108779	1		84.6	mg/kg	20.0	17-Oct-08	20-Oct-08 11:41 KJR	
Cadmium	EPA 6010	108779	1		ND	mg/kg	0.500	17-Oct-08	20-Oct-08 11:41 KJR	
Chromium	EPA 6010	108779	1		8.54	mg/kg	1.00	17-Oct-08	20-Oct-08 11:41 KJR	
Lead	EPA 6010	108779	1		9.81	mg/kg	0.500	17-Oct-08	20-Oct-08 11:41 KJR	
Mercury	EPA 7471	108780	1		0.0278	mg/kg	0.0158	20-Oct-08	20-Oct-08 09:36 MHB1	
Selenium	EPA 6010	108779	1		ND	mg/kg	3.50	17-Oct-08	20-Oct-08 11:41 KJR	
Silver	EPA 6010	108779	1		ND	mg/kg	1.00	17-Oct-08	20-Oct-08 11:41 KJR	

8 parameter(s) reported

Inorganics 11/5/2008 13:28:42

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Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-07 **Project:** 2087367

Project ID: ALGIERS CANAL DREDGING P- II **Site:** None

Lab ID: 20645521 **Matrix:** Soil **%Moisture:** 0 Not Corrected

Description: None **Collected:** 15-Oct-08 **Received:** 15-Oct-08

Analyte	Method	Batch	DF	Qu	Result	Units	Reporting Limit	Prep.	Analysis	Limit
Arsenic	EPA 6010	108779	1		3.43	mg/kg	0.926	17-Oct-08	20-Oct-08 11:55 KJR	
Barium	EPA 6010	108779	1		385.	mg/kg	18.5	17-Oct-08	20-Oct-08 11:55 KJR	
Cadmium	EPA 6010	108779	1		0.487	mg/kg	0.463	17-Oct-08	20-Oct-08 11:55 KJR	
Chromium	EPA 6010	108779	1		10.1	mg/kg	0.926	17-Oct-08	20-Oct-08 11:55 KJR	
Lead	EPA 6010	108779	1		28.6	mg/kg	0.463	17-Oct-08	20-Oct-08 11:55 KJR	
Mercury	EPA 7471	108780	1		0.0545	mg/kg	0.0194	20-Oct-08	20-Oct-08 09:41 MHB1	
Selenium	EPA 6010	108779	1		ND	mg/kg	3.24	17-Oct-08	20-Oct-08 11:55 KJR	
Silver	EPA 6010	108779	1		ND	mg/kg	0.926	17-Oct-08	20-Oct-08 11:55 KJR	

8 parameter(s) reported

Inorganics 11/5/2008 13:28:42

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Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645522
Matrix: Soil
%Moisture: 0 Not Corrected
Description: None
Collected: 15-Oct-08
Received: 15-Oct-08

Analyte	Method	Batch	DF	Qu	Result	Units	Reporting Limit	Prep.	Analysis	Limit
Arsenic	EPA 6010	108779	1		4.19	mg/kg	1.00	17-Oct-08	20-Oct-08 11:59 KJR	
Barium	EPA 6010	108779	1		311.	mg/kg	20.0	17-Oct-08	20-Oct-08 11:59 KJR	
Cadmium	EPA 6010	108779	1		ND	mg/kg	0.500	17-Oct-08	20-Oct-08 11:59 KJR	
Chromium	EPA 6010	108779	1		9.82	mg/kg	1.00	17-Oct-08	20-Oct-08 11:59 KJR	
Lead	EPA 6010	108779	1		16.7	mg/kg	0.500	17-Oct-08	20-Oct-08 11:59 KJR	
Mercury	EPA 7471	108780	1		0.0473	mg/kg	0.0171	20-Oct-08	20-Oct-08 09:43 MHB1	
Selenium	EPA 6010	108779	1		ND	mg/kg	3.50	17-Oct-08	20-Oct-08 11:59 KJR	
Silver	EPA 6010	108779	1		ND	mg/kg	1.00	17-Oct-08	20-Oct-08 11:59 KJR	

8 parameter(s) reported

Inorganics 11/5/2008 13:28:42

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Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-09
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645523
Matrix: Soil
%Moisture: 0 Not Corrected
Description: None
Collected: 15-Oct-08
Received: 15-Oct-08

Analyte	Method	Batch	DF	Qu	Result	Units	Reporting Limit	Prep.	Analysis	Limit
Arsenic	EPA 6010	108779	1		3.78	mg/kg	0.877	17-Oct-08	20-Oct-08 12:04 KJR	
Barium	EPA 6010	108779	1		928.	mg/kg	17.5	17-Oct-08	20-Oct-08 12:04 KJR	
Cadmium	EPA 6010	108779	1		0.456	mg/kg	0.439	17-Oct-08	20-Oct-08 12:04 KJR	
Chromium	EPA 6010	108779	1		10.3	mg/kg	0.877	17-Oct-08	20-Oct-08 12:04 KJR	
Lead	EPA 6010	108779	1		21.0	mg/kg	0.439	17-Oct-08	20-Oct-08 12:04 KJR	
Mercury	EPA 7471	108780	1		0.0450	mg/kg	0.0188	20-Oct-08	20-Oct-08 09:44 MHB1	
Selenium	EPA 6010	108779	1		ND	mg/kg	3.07	17-Oct-08	20-Oct-08 12:04 KJR	
Silver	EPA 6010	108779	1		ND	mg/kg	0.877	17-Oct-08	20-Oct-08 12:04 KJR	

8 parameter(s) reported

Inorganics 11/5/2008 13:28:42

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-10
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645524
Matrix: Soil
%Moisture: 0 Not Corrected
Description: None
Collected: 15-Oct-08
Received: 15-Oct-08

Analyte	Method	Batch	DF	Qu	Result	Units	Reporting Limit	Prep.	Analysis	Limit
Arsenic	EPA 6010	108779	1		4.15	mg/kg	0.943	17-Oct-08	20-Oct-08 10:11 KJR	
Barium	EPA 6010	108779	1		464.	mg/kg	18.9	17-Oct-08	20-Oct-08 10:11 KJR	
Cadmium	EPA 6010	108779	1		ND	mg/kg	0.472	17-Oct-08	20-Oct-08 10:11 KJR	
Chromium	EPA 6010	108779	1		10.4	mg/kg	0.943	17-Oct-08	20-Oct-08 10:11 KJR	
Lead	EPA 6010	108779	1		18.3	mg/kg	0.472	17-Oct-08	20-Oct-08 10:11 KJR	
Mercury	EPA 7471	108780	1		0.0455	mg/kg	0.0162	20-Oct-08	20-Oct-08 09:02 MHB1	
Selenium	EPA 6010	108779	1		ND	mg/kg	3.30	17-Oct-08	20-Oct-08 10:11 KJR	
Silver	EPA 6010	108779	1		ND	mg/kg	0.943	17-Oct-08	20-Oct-08 10:11 KJR	

8 parameter(s) reported

Inorganics 11/5/2008 13:28:43

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: SD-3503ACE-03A
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645525
Matrix: Soil
%Moisture: 0 Not Corrected
Description: None
Collected: 15-Oct-08
Received: 15-Oct-08

Analyte	Method	Batch	DF	Qu	Result	Units	Reporting Limit	Prep.	Analysis	Limit
Arsenic	EPA 6010	108779	1		3.34	mg/kg	0.667	17-Oct-08	20-Oct-08 12:08 KJR	
Barium	EPA 6010	108779	1		88.7	mg/kg	13.3	17-Oct-08	20-Oct-08 12:08 KJR	
Cadmium	EPA 6010	108779	1		ND	mg/kg	0.333	17-Oct-08	20-Oct-08 12:08 KJR	
Chromium	EPA 6010	108779	1		7.07	mg/kg	0.667	17-Oct-08	20-Oct-08 12:08 KJR	
Lead	EPA 6010	108779	1		9.11	mg/kg	0.333	17-Oct-08	20-Oct-08 12:08 KJR	
Mercury	EPA 7471	108780	1		0.0390	mg/kg	0.0188	20-Oct-08	20-Oct-08 09:46 MHB1	
Selenium	EPA 6010	108779	1		ND	mg/kg	2.33	17-Oct-08	20-Oct-08 12:08 KJR	
Silver	EPA 6010	108779	1		ND	mg/kg	0.667	17-Oct-08	20-Oct-08 12:08 KJR	

8 parameter(s) reported

Inorganics 11/5/2008 13:28:43

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Client: Materials Management Group

Client ID: W-3503ACE-RB-07-10-14-08
Project: 2087367
Project ID: ALGIERS CANAL DREDGING P- II
Site: None
Lab ID: 20645526
Matrix: Water
%Moisture: n/a
Description: None
Collected: 15-Oct-08
Received: 15-Oct-08

Analyte	Method	Batch	DF	Qu	Result	Units	Reporting Limit	Prep.	Analysis	Limit
Arsenic	EPA 6010	108959	1		ND	ug/L	10.0	20-Oct-08	21-Oct-08 12:47 KJR	
Barium	EPA 6010	108959	1		ND	ug/L	200.	20-Oct-08	21-Oct-08 12:47 KJR	
Cadmium	EPA 6010	108959	1		6.12	ug/L	5.00	20-Oct-08	21-Oct-08 12:47 KJR	
Chromium	EPA 6010	108959	1		ND	ug/L	10.0	20-Oct-08	21-Oct-08 12:47 KJR	
Lead	EPA 6010	108959	1		15.3	ug/L	5.00	20-Oct-08	21-Oct-08 12:47 KJR	
Mercury	EPA 7470	108956	1		ND	ug/L	0.200	22-Oct-08	22-Oct-08 09:05 MHB1	
Selenium	EPA 6010	108959	1		ND	ug/L	35.0	20-Oct-08	21-Oct-08 12:47 KJR	
Silver	EPA 6010	108959	1		ND	ug/L	10.0	20-Oct-08	21-Oct-08 12:47 KJR	

8 parameter(s) reported

Inorganics 11/5/2008 13:28:43

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108854 **Project:** 2087367 **LCS:** 20645889 17-Oct-08 20:21

MS: 20645890 18-Oct-08 1:15

Units: ug/L **MSD:** 20645891 18-Oct-08 1:36

Original for MS: Batch Sample 20645790

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acetone	50	57.54	115	50	0.00	46.18	44.51	92	89	4	22 - 165	11 - 217	20	A11
Benzene	50	47.51	95	50	0.00	35.17	35.28	70	71	0	62 - 131	52 - 141	20	
Bromodichloromethane	50	52.4	105	50	0.00	49.57	48.79	99	98	2	69 - 132	70 - 134	20	
Bromoform	50	49.33	99	50	0.00	47.44	47.87	95	96	1	35 - 166	37 - 171	20	
Bromomethane	50	39.86	80	50	0.00	38.96	39	78	78	0	34 - 158	34 - 155	20	
2-Butanone (MEK)	50	37.02	74	50	0.00	25.96	20.55	52	41	23 *	32 - 183	20 - 205	20	A11
Carbon disulfide	50	46.96	94	50	0.00	45.3	46.52	91	93	3	31 - 128	28 - 130	20	
Carbon tetrachloride	50	47.5	95	50	0.00	47.66	46.92	95	94	2	54 - 144	48 - 146	20	
Chlorobenzene	50	49.41	99	50	0.00	44.99	46.6	90	93	4	70 - 127	67 - 129	20	
Chloroethane	50	63.3	127	50	0.00	63.17	62.56	126	125	1	17 - 195	12 - 192	20	
Chloroform	50	43.06	86	50	0.00	41.26	42.78	83	86	4	73 - 134	66 - 143	20	
Chloromethane	50	37.18	74	50	0.00	36.4	36.8	73	74	1	17 - 153	14 - 155	20	
1,2-Dibromo-3-chloropropa	50	68.67	137	50	0.00	62.15	65.69	124	131	6	21 - 160	23 - 166	20	
Dibromochloromethane	50	54.44	109	50	0.00	50.88	52.46	102	105	3	49 - 146	50 - 150	20	
1,1-Dichloroethane	50	41.8	84	50	0.00	40.41	40.88	81	82	1	63 - 129	59 - 133	20	
1,2-Dichloroethane	50	53.01	106	50	0.00	48.09	45.31	96	91	6	57 - 148	56 - 154	20	
1,1-Dichloroethene	50	45.18	90	50	0.00	44.79	45.45	90	91	1	51 - 139	44 - 146	20	
cis-1,2-Dichloroethene	50	39.06	78	50	0.00	35.11	36.4	70	73	4	68 - 129	56 - 141	20	
trans-1,2-Dichloroethene	50	38.12	76	50	0.00	36.5	37.13	73	74	2	60 - 129	57 - 132	20	
1,2-Dichloropropane	50	46.2	92	50	0.00	42.68	41.93	85	84	2	66 - 128	62 - 135	20	
cis-1,3-Dichloropropene	50	45.77	92	50	0.00	40.5	40.1	81	80	1	72 - 138	70 - 139	20	
trans-1,3-Dichloropropene	50	49.45	99	50	0.00	42.29	42.03	85	84	1	59 - 149	59 - 154	20	
Ethylbenzene	50	48.99	98	50	0.00	46.1	48.72	92	97	6	66 - 126	57 - 135	20	
Isobutanol	1050	245.6	23 *	1050	0.00	194.1	193.7	19 *	18 *	0	32 - 173	26 - 188	20	A99
Methylene chloride	50	45.27	91	50	4.68	48.28	49.47	87	90	2	46 - 168	45 - 166	20	A11
4-Methyl-2-pentanone (MI	50	61.15	122	50	0.00	45.58	43.26	91	87	5	26 - 171	23 - 184	20	
Methyl-tert-butyl ether	50	48.48	97	50	0.00	44.98	44.89	90	90	0	37 - 166	35 - 176	20	
Styrene	50	47.24	95	50	0.00	41.71	43.84	83	88	5	72 - 133	58 - 144	20	
1,1,1,2-Tetrachloroethane	50	50.96	102	50	0.00	48.63	51.44	97	103	6	66 - 134	66 - 136	20	
1,1,2,2-Tetrachloroethane	50	83.11	166	50	0.00	75.75	77.88	152	156	3	15 - 179	15 - 187	20	
Tetrachloroethene	50	46.3	93	50	0.00	56.94	59.69	114	119	5	46 - 157	48 - 143	20	
Toluene	50	45.21	90	50	0.00	37.99	38.7	76	77	2	69 - 126	59 - 136	20	
1,2,4-Trichlorobenzene	50	49.16	98	50	0.00	45.37	47.89	91	96	5	50 - 135	39 - 153	20	
1,1,1-Trichloroethane	50	41.52	83	50	0.00	41.98	42.62	84	85	2	62 - 131	54 - 137	20	
1,1,2-Trichloroethane	50	53.26	107	50	0.00	49.11	46.58	98	93	5	58 - 144	59 - 148	20	
Trichloroethene	50	40.45	81	50	0.00	38.7	36.77	77	74	5	67 - 132	58 - 140	20	
Trichlorofluoromethane	50	51.84	104	50	0.00	53.59	53.51	107	107	0	39 - 171	24 - 175	20	
Vinyl chloride	50	36.66	73	50	0.00	35.69	35.98	71	72	1	27 - 149	21 - 150	20	
m&p-Xylene	100	94.96	95	100	0.00	87.66	92.29	88	92	5	65 - 129	56 - 136	20	

11/5/2008 13:28:44

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108854 **Project:** 2087367 **LCS:** 20645889 17-Oct-08 20:21

MS: 20645890 18-Oct-08 1:15

Units: ug/L **MSD:** 20645891 18-Oct-08 1:36

Original for MS: Batch Sample 20645790

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
o-Xylene	50	48.19	96	50	0.00	44.51	46.61	89	93	5	65 - 124	57 - 133	20	

40 compound(s) reported

11/5/2008 13:28:44

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108854 **Project:** 2087367 **LCS:** 20646381 20-Oct-08 10:08

MS:

Units: ug/L **MSD:**

Original for MS:

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acetone	50	45.58	91								22 - 165	-		A11
Benzene	50	43.81	88								62 - 131	-		
Bromodichloromethane	50	45.84	92								69 - 132	-		
Bromoform	50	48.36	97								35 - 166	-		
Bromomethane	50	38.7	77								34 - 158	-		
2-Butanone (MEK)	50	32.05	64								32 - 183	-		A11
Carbon disulfide	50	46.63	93								31 - 128	-		
Carbon tetrachloride	50	48.49	97								54 - 144	-		
Chlorobenzene	50	50.13	100								70 - 127	-		
Chloroethane	50	58.85	118								17 - 195	-		
Chloroform	50	40.45	81								73 - 134	-		
Chloromethane	50	35.26	71								17 - 153	-		
1,2-Dibromo-3-chloropropa	50	63.13	126								21 - 160	-		
Dibromochloromethane	50	52.67	105								49 - 146	-		
1,1-Dichloroethane	50	40.42	81								63 - 129	-		
1,2-Dichloroethane	50	44.2	88								57 - 148	-		
1,1-Dichloroethene	50	45.88	92								51 - 139	-		
cis-1,2-Dichloroethene	50	36.75	74								68 - 129	-		
trans-1,2-Dichloroethene	50	38.54	77								60 - 129	-		
1,2-Dichloropropane	50	40.7	81								66 - 128	-		
cis-1,3-Dichloropropene	50	41.32	83								72 - 138	-		
trans-1,3-Dichloropropene	50	44.28	89								59 - 149	-		
Ethylbenzene	50	49.79	100								66 - 126	-		
Isobutanol	1050	224.8	21 *								32 - 173	-		A99
Methylene chloride	50	35.98	72								46 - 168	-		A11
4-Methyl-2-pentanone (MI	50	55.48	111								26 - 171	-		
Methyl-tert-butyl ether	50	43.09	86								37 - 166	-		
Styrene	50	47.66	95								72 - 133	-		
1,1,1,2-Tetrachloroethane	50	50.13	100								66 - 134	-		
1,1,2,2-Tetrachloroethane	50	70.54	141								15 - 179	-		
Tetrachloroethene	50	49.7	99								46 - 157	-		
Toluene	50	42.39	85								69 - 126	-		
1,2,4-Trichlorobenzene	50	54.41	109								50 - 135	-		
1,1,1-Trichloroethane	50	41.43	83								62 - 131	-		
1,1,2-Trichloroethane	50	41.5	83								58 - 144	-		
Trichloroethene	50	37.23	75								67 - 132	-		
Trichlorofluoromethane	50	52.18	104								39 - 171	-		
Vinyl chloride	50	35.24	71								27 - 149	-		
m&p-Xylene	100	97.72	98								65 - 129	-		

11/5/2008 13:28:44

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108854 **Project:** 2087367 **LCS:** 20646381 20-Oct-08 10:08

MS:

Units: ug/L **MSD:**

Original for MS:

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
o-Xylene	50	49.18	98								65 - 124	-		

40 compound(s) reported

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

11/5/2008 13:28:44

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 109090 **Project:** 2087367 **LCS:** 20647017 23-Oct-08 12:24

MS: 20647018 23-Oct-08 15:57

Units: ug/kg **MSD:** 20647019 23-Oct-08 16:18

Original for MS: Project Sample 20645524

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acetone	50	57.08	114	59.52	54.48	107.6	114	89	97	6	11 - 166	10 - 168	20	A11
Benzene	50	46.89	94	59.52	0.00	31.43	35.23	53	57	11	63 - 128	18 - 116	20	
Bromodichloromethane	50	50.17	100	59.52	0.00	28.08	32.96	47	54	16	65 - 135	14 - 120	20	
Bromoform	50	45.89	92	59.52	0.00	19.54	21.76	33	35	11	35 - 164	10 - 131	20	
Bromomethane	50	41.31	83	59.52	0.00	35.83	39.1	60	64	9	37 - 147	10 - 128	20	
2-Butanone (MEK)	50	43.46	87	59.52	7.97	43.6	45.45	60	61	4	17 - 190	10 - 162	20	A11
Carbon disulfide	50	46.67	93	59.52	13.00	37.11	42.29	41	48	13	29 - 128	14 - 110	20	
Carbon tetrachloride	50	48.84	98	59.52	0.00	30.9	36.18	52	59	16	52 - 141	11 - 125	20	
Chlorobenzene	50	50.5	101	59.52	0.00	18.68	20.29	31	33	8	68 - 127	14 - 119	20	
Chloroethane	50	42.09	84	59.52	0.00	37.63	35.88	63	58	5	12 - 190	28 - 161	20	
Chloroform	50	44.06	88	59.52	0.00	31.8	34.67	53	56	9	72 - 133	22 - 122	20	
Chloromethane	50	39.22	78	59.52	0.00	31.14	26.68	52	43	15	15 - 146	10 - 122	20	
1,2-Dibromo-3-chloropropa	50	57.28	115	59.52	0.00	17.57	23.24	30	38	28 *	13 - 163	10 - 128	20	
Dibromochloromethane	50	52.94	106	59.52	0.00	23.68	26.89	40	44	13	47 - 148	10 - 124	20	
1,1-Dichloroethane	50	38.59	77	59.52	0.00	32.23	35.97	54	59	11	65 - 127	25 - 116	20	
1,2-Dichloroethane	50	50.1	100	59.52	0.00	34.94	40.34	59	66	14	53 - 152	11 - 124	20	
1,1-Dichloroethene	50	46.99	94	59.52	0.00	40.58	42.13	68	69	4	52 - 137	22 - 122	20	
cis-1,2-Dichloroethene	50	40.19	80	59.52	0.00	28.43	32.54	48	53	13	70 - 126	20 - 116	20	
trans-1,2-Dichloroethene	50	41.51	83	59.52	0.00	30.45	34.68	51	57	13	61 - 128	23 - 115	20	
1,2-Dichloropropane	50	43.33	87	59.52	0.00	29.35	33.11	49	54	12	64 - 130	16 - 114	20	
cis-1,3-Dichloropropene	50	45.11	90	59.52	0.00	23.46	26.93	39	44	14	65 - 143	10 - 123	20	
trans-1,3-Dichloropropene	50	47.66	95	59.52	0.00	22.38	26.72	38	44	18	52 - 158	10 - 129	20	
Ethylbenzene	50	50.96	102	59.52	0.00	20.92	22.68	35	37	8	63 - 127	11 - 118	20	
Isobutanol	1050	275.5	26	1250	0.00	159.4	174	13	14	9	14 - 182	10 - 169	21	
Methylene chloride	50	45.15	90	59.52	0.00	33.12	35.9	56	58	8	51 - 165	15 - 131	20	A11
4-Methyl-2-pentanone (MI	50	60.51	121	59.52	0.00	42.1	45.82	71	75	8	19 - 182	10 - 148	20	
Methyl-tert-butyl ether	50	46.22	92	59.52	0.00	38.06	39.9	64	65	5	41 - 166	10 - 140	20	
Styrene	50	47.74	96	59.52	0.00	8.762	9.595	15	16	9	71 - 133	10 - 125	20	
1,1,1,2-Tetrachloroethane	50	50.86	102	59.52	0.00	22.99	23.46	39	38	2	66 - 133	10 - 122	20	
1,1,2,2-Tetrachloroethane	50	71.25	143	59.52	0.00	35.11	35.9	59	58	2	41 - 194	10 - 153	20	
Tetrachloroethene	50	49.37	99	59.52	0.00	22.33	24.08	38	39	8	44 - 156	10 - 189	20	
Toluene	50	44.69	89	59.52	0.00	23.26	26.78	39	44	14	68 - 126	21 - 119	20	
1,2,4-Trichlorobenzene	50	57.59	115	59.52	0.00	4.107	4.349	7 *	7 *	6	45 - 139	10 - 114	20	Q1
1,1,1-Trichloroethane	50	43.9	88	59.52	0.00	31.71	35.66	53	58	12	60 - 131	20 - 120	20	
1,1,2-Trichloroethane	50	45.66	91	59.52	0.00	26.33	30.37	44	49	14	54 - 148	13 - 122	20	
Trichloroethene	50	41.51	83	59.52	0.00	24.56	28.05	41	46	13	66 - 132	11 - 125	20	
Trichlorofluoromethane	50	39.82	80	59.52	0.00	36.11	37.09	61	60	3	32 - 166	20 - 142	20	
Vinyl chloride	50	38.74	78	59.52	0.00	24.25	19.3	41	31	23 *	24 - 143	14 - 123	20	
m&p-Xylene	100	97.42	97	119	0.00	36.46	39.91	31	33	9	62 - 130	10 - 119	20	

11/5/2008 13:28:44

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 109090 **Project:** 2087367 **LCS:** 20647017 23-Oct-08 12:24

MS: 20647018 23-Oct-08 15:57

Units: ug/kg **MSD:** 20647019 23-Oct-08 16:18

Original for MS: Project Sample 20645524

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
o-Xylene	50	47.89	96	59.52	0.00	17.65	18.49	30	30	5	64 - 124	10 - 116	20	

40 compound(s) reported

11/5/2008 13:28:44

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108753 **Project:** 2087367 **LCS:** 20645560 17-Oct-08 13:31

MS: 20645561 17-Oct-08 18:36

Units: ug/kg **MSD:** 20645562 17-Oct-08 19:03

Original for MS: Project Sample 20645524

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acenaphthene	1667	1318	79	1667	0.00	829.7	841.7	50	51	1	42 - 114	13 - 130	20	
Acenaphthylene	1667	1332	80	1667	0.00	876.3	894.3	53	54	2	45 - 112	13 - 125	20	
Aniline	1667	1523	91	1667	0.00	1759	1790	106	107	2	22 - 112	40 - 118	26	
Anthracene	1667	1374	82	1667	0.00	752.3	747.7	45	45	1	46 - 113	17 - 134	20	
Benzo(a)anthracene	1667	1314	79	1667	0.00	671.3	665.3	40	40	1	46 - 110	12 - 137	20	
Benzo(b)fluoranthene	1667	1277	77	1667	0.00	666	701.3	40	42	5	42 - 112	15 - 158	20	
Benzo(k)fluoranthene	1667	1332	80	1667	0.00	658.7	650.7	40	39	1	43 - 114	14 - 149	20	
Benzo(a)pyrene	1667	1362	82	1667	0.00	696	698.3	42	42	0	45 - 113	14 - 137	20	
Butylbenzylphthalate	1667	1466	88	1667	0.00	732	729	44	44	0	42 - 116	18 - 179	20	
3&4-Chloroaniline	1667	1223	73	1667	0.00	1172	1164	70	70	1	10 - 120	10 - 118	25	
bis(2-Chloroethyl) ether	1667	1273	76	1667	0.00	1463	1464	88	88	0	42 - 110	19 - 121	20	
2-Chloronaphthalene	1667	1282	77	1667	0.00	845.7	852.3	51	51	1	45 - 110	15 - 118	20	
2-Chlorophenol	1667	1211	73	1667	0.00	1321	1337	79	80	1	44 - 110	20 - 111	20	
Chrysene	1667	1332	80	1667	0.00	670.7	676.3	40	41	1	43 - 115	13 - 134	20	
Dibenz(a,h)anthracene	1667	1345	81	1667	0.00	650	627.7	39	38	3	35 - 123	10 - 121	20	
Dibenzofuran	1667	1293	78	1667	0.00	797.7	805.3	48	48	1	47 - 110	15 - 123	20	
1,2-Dichlorobenzene	1667	1214	73	1667	0.00	1154	1151	69	69	0	41 - 110	14 - 118	20	
1,3-Dichlorobenzene	1667	1198	72	1667	0.00	1129	1145	68	69	1	40 - 110	16 - 114	20	
1,4-Dichlorobenzene	1667	1206	72	1667	0.00	1143	1147	69	69	0	40 - 110	16 - 113	20	
3,3'-Dichlorobenzidine	1667	1447	87	1667	0.00	978	972	59	58	1	23 - 127	10 - 138	20	
2,4-Dichlorophenol	1667	1116	67	1667	0.00	1110	1099	67	66	1	36 - 110	18 - 121	20	
Diethylphthalate	1667	1410	85	1667	0.00	1056	1072	63	64	2	46 - 111	17 - 124	20	
2,4-Dimethylphenol	1667	1084	65	1667	0.00	1173	1162	70	70	1	26 - 116	15 - 134	20	
Dimethylphthalate	1667	1410	85	1667	0.00	1442	1444	87	87	0	46 - 110	13 - 125	20	
2,4-Dinitrophenol	1667	233.7	14	1667	0.00	0	0	0 *	0 *	0	14 - 115	10 - 155	20	Q1
2,4-Dinitrotoluene	1667	1280	77	1667	0.00	781	791	47	48	1	43 - 110	24 - 137	25	
2,6-Dinitrotoluene	1667	1348	81	1667	0.00	824.3	839	50	50	2	46 - 110	29 - 132	23	
Di-n-octylphthalate	1667	1402	84	1667	0.00	703.3	736.7	42	44	5	37 - 121	10 - 208	20	
bis(2-Ethylhexyl)phthalate	1667	1494	90	1667	0.00	769.7	774.3	46	47	1	41 - 116	14 - 188	20	A25
Fluoranthene	1667	1314	79	1667	0.00	722	718.3	43	43	1	41 - 118	11 - 145	20	
Fluorene	1667	1318	79	1667	0.00	788.7	796.7	47	48	1	44 - 112	13 - 130	20	
Hexachloro-1,3-butadiene	1667	1138	68	1667	0.00	711	706.3	43	42	1	34 - 110	16 - 126	20	
Hexachlorobenzene	1667	1371	82	1667	0.00	741.3	715	45	43	4	42 - 111	11 - 120	20	
Hexachlorocyclopentadiene	1667	1060	64	1667	0.00	260	276.7	16	17	6	13 - 114	10 - 112	21	
Hexachloroethane	1667	1228	74	1667	0.00	873.7	870	52	52	0	43 - 110	12 - 126	23	
Indeno(1,2,3-cd)pyrene	1667	1339	80	1667	0.00	637.3	615.3	38	37	4	35 - 122	10 - 126	20	
Isophorone	1667	1130	68	1667	0.00	1201	1212	72	73	1	33 - 110	12 - 127	20	
2-Methylnaphthalene	1667	1082	65	1667	0.00	752.7	748.7	45	45	1	32 - 110	10 - 127	20	
Naphthalene	1667	1057	63	1667	0.00	885.3	877.7	53	53	1	33 - 110	18 - 137	20	

11/5/2008 13:28:44

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108753 **Project:** 2087367 **LCS:** 20645560 17-Oct-08 13:31

MS: 20645561 17-Oct-08 18:36

Units: ug/kg **MSD:** 20645562 17-Oct-08 19:03

Original for MS: Project Sample 20645524

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
2-Nitroaniline	1667	1318	79	1667	0.00	1493	1517	90	91	2	43 - 115	10 - 136	20	
3-Nitroaniline	1667	1330	80	1667	0.00	853.7	877.7	51	53	3	24 - 117	10 - 125	26	
4-Nitroaniline	1667	1253	75	1667	0.00	1526	1588	92	95	4	38 - 122	10 - 137	26	
Nitrobenzene	1667	1057	63	1667	0.00	880.3	872	53	52	1	32 - 111	20 - 145	20	
4-Nitrophenol	1667	1055	63	1667	0.00	401.3	410.7	24	25	2	37 - 123	10 - 137	25	
N-Nitroso-di-n-propylamine	1667	1345	81	1667	0.00	1472	1488	88	89	1	41 - 111	21 - 137	20	
N-Nitrosodiphenylamine	1667	1458	88	1667	0.00	1022	1013	61	61	1	44 - 112	15 - 133	20	A10
2,2'-Oxybis(1-chloropropan	1667	1326	80	1667	0.00	1323	1351	79	81	2	26 - 124	16 - 129	20	
Pentachlorophenol	1667	1016	61	1667	0.00	773.3	823.7	46	49	6	29 - 124	10 - 148	23	
Phenanthrene	1667	1325	80	1667	0.00	743.3	735	45	44	1	45 - 112	11 - 138	20	
Phenol	1667	1179	71	1667	0.00	1113	1120	67	67	1	43 - 110	14 - 112	20	
Pyrene	1667	1386	83	1667	0.00	700.3	698	42	42	0	36 - 120	10 - 181	20	
2,4,5-Trichlorophenol	1667	1255	75	1667	0.00	1160	1131	70	68	3	47 - 110	12 - 118	20	
2,4,6-Trichlorophenol	1667	1212	73	1667	0.00	1203	1239	72	74	3	47 - 110	17 - 110	20	

53 compound(s) reported

11/5/2008 13:28:44

*** denotes recovery outside of QC limits.**

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Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108778 **Project:** 2087367 **LCS:** 20645626 21-Oct-08 12:19

MS:

Units: ug/L **MSD:**

Original for MS:

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Aniline	50	36.07	72								40 - 140	-		Q5
Butylbenzylphthalate	50	43.72	87								50 - 119	-		Q5
3&4-Chloroaniline	50	31.46	63								10 - 128	-		Q5
bis(2-Chloroethyl) ether	50	36.93	74								49 - 112	-		Q5
2-Chloronaphthalene	50	38.89	78								53 - 110	-		Q5
2-Chlorophenol	50	32.72	65								41 - 110	-		Q5
Dibenzofuran	50	39.28	79								56 - 110	-		Q5
1,2-Dichlorobenzene	50	30.17	60								47 - 110	-		Q5
1,3-Dichlorobenzene	50	27.58	55								43 - 110	-		Q5
1,4-Dichlorobenzene	50	28.38	57								45 - 110	-		Q5
3,3'-Dichlorobenzidine	50	35.53	71								20 - 120	-		Q5
2,4-Dichlorophenol	50	33.29	67								38 - 110	-		Q5
Diethylphthalate	50	41.47	83								54 - 121	-		Q5
2,4-Dimethylphenol	50	15.77	32								14 - 110	-		Q5
Dimethylphthalate	50	42.31	85								55 - 115	-		Q5
2,4-Dinitrophenol	50	40.4	81								20 - 144	-		Q5
2,4-Dinitrotoluene	50	40.6	81								49 - 124	-		Q5
2,6-Dinitrotoluene	50	41.25	83								54 - 120	-		Q5
Di-n-octylphthalate	50	40.06	80								44 - 129	-		Q5
bis(2-Ethylhexyl)phthalate	50	48.7	97								49 - 132	-		A25,Q5
Hexachloro-1,3-butadiene	50	29.11	58								34 - 110	-		Q5
Hexachlorobenzene	50	42.98	86								52 - 115	-		Q5
Hexachlorocyclopentadiene	50	10.26	21								10 - 110	-		Q5
Hexachloroethane	50	27.85	56								43 - 110	-		Q5
Isophorone	50	35.15	70								42 - 113	-		Q5
2-Nitroaniline	50	41.03	82								54 - 120	-		Q5
3-Nitroaniline	50	39.27	79								30 - 132	-		Q5
4-Nitroaniline	50	38.13	76								33 - 136	-		Q5
Nitrobenzene	50	33.26	67								41 - 112	-		Q5
4-Nitrophenol	50	39.71	79								35 - 133	-		Q5
N-Nitroso-di-n-propylamine	50	38.91	78								58 - 113	-		Q5
N-Nitrosodiphenylamine	50	40.4	81								36 - 114	-		A10,Q5
2,2'-Oxybis(1-chloropropan	50	37.06	74								37 - 124	-		Q5
Pentachlorophenol	50	42.64	85								38 - 135	-		Q5
Phenol	50	33.24	67								40 - 112	-		Q5
2,4,5-Trichlorophenol	50	39.39	79								44 - 110	-		Q5
2,4,6-Trichlorophenol	50	37.56	75								43 - 110	-		Q5

37 compound(s) reported

11/5/2008 13:28:44

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108790 **Project:** 2087367 **LCS:** 20645678 17-Oct-08 10:47

MS:

Units: ug/L **MSD:**

Original for MS:

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acenaphthene	2	1.72	86								39 - 110	-		Q5
Acenaphthylene	2	1.56	78								32 - 110	-		Q5
Anthracene	2	1.64	82								28 - 110	-		Q5
Benzo(a)anthracene	2	1.35	68								39 - 110	-		Q5
Benzo(b)fluoranthene	2	1.21	61								33 - 110	-		Q5
Benzo(k)fluoranthene	2	1.56	78								32 - 110	-		Q5
Benzo(a)pyrene	2	1.3	65								38 - 110	-		Q5
Chrysene	2	1.39	70								40 - 110	-		Q5
Dibenz(a,h)anthracene	2	1.25	63								27 - 110	-		Q5
Fluoranthene	2	1.44	72								45 - 110	-		Q5
Fluorene	2	1.66	83								40 - 110	-		Q5
Indeno(1,2,3-cd)pyrene	2	1.32	66								31 - 110	-		Q5
2-Methylnaphthalene	2	1.66	83								42 - 110	-		Q5
Naphthalene	2	1.7	85								42 - 110	-		Q5
Phenanthrene	2	1.53	77								33 - 110	-		Q5
Pyrene	2	1.04	52								38 - 110	-		Q5

16 compound(s) reported

11/5/2008 13:28:44

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 109005 **Project:** 2087367 **LCS:** 20646626 24-Oct-08 13:01

MS: 20646627 24-Oct-08 13:28

Units: ug/kg **MSD:** 20646628 24-Oct-08 13:56

Original for MS: Client Sample 20645524

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acenaphthene	1667	1279	77	1667	0.00	929.7	86.67	56	5 *	166 *	42 - 114	13 - 130	20	Q1
Acenaphthylene	1667	1264	76	1667	0.00	944.7	96	57	6 *	163 *	45 - 112	13 - 125	20	Q1
Aniline	1667	1478	89	1667	0.00	1121	487	67	29 *	79 *	22 - 112	40 - 118	26	Q1
Anthracene	1667	1279	77	1667	0.00	872	170	52	10 *	135 *	46 - 113	17 - 134	20	Q1
Benzo(a)anthracene	1667	1250	75	1667	36.67	769.3	300.3	44	16	88 *	46 - 110	12 - 137	20	
Benzo(b)fluoranthene	1667	1318	79	1667	56.33	759.7	361.3	42	18	71 *	42 - 112	15 - 158	20	
Benzo(k)fluoranthene	1667	1370	82	1667	0.00	793.7	340.7	48	20	80 *	43 - 114	14 - 149	20	
Benzo(a)pyrene	1667	1350	81	1667	44.67	791.3	345	45	18	79 *	45 - 113	14 - 137	20	
Butylbenzylphthalate	1667	1459	88	1667	0.00	854.7	259	51	16 *	107 *	42 - 116	18 - 179	20	Q1
3&4-Chloroaniline	1667	1230	74	1667	0.00	833	369.3	50	22	77 *	10 - 120	10 - 118	25	
bis(2-Chloroethyl) ether	1667	1315	79	1667	0.00	1083	51.33	65	3 *	182 *	42 - 110	19 - 121	20	Q1
2-Chloronaphthalene	1667	1176	71	1667	0.00	876	74	53	4 *	169 *	45 - 110	15 - 118	20	Q1
2-Chlorophenol	1667	1237	74	1667	0.00	971.3	137.3	58	8 *	150 *	44 - 110	20 - 111	20	Q1
Chrysene	1667	1276	77	1667	44.33	776.3	307.7	44	16	86 *	43 - 115	13 - 134	20	
Dibenz(a,h)anthracene	1667	1115	67	1667	0.00	687.3	272	41	16	87 *	35 - 123	10 - 121	20	
Dibenzofuran	1667	1246	75	1667	0.00	914.3	111	55	7 *	157 *	47 - 110	15 - 123	20	Q1
1,2-Dichlorobenzene	1667	1242	75	1667	0.00	926.3	0	56	0 *	200 *	41 - 110	14 - 118	20	Q1
1,3-Dichlorobenzene	1667	1193	72	1667	0.00	876.7	0	53	0 *	200 *	40 - 110	16 - 114	20	Q1
1,4-Dichlorobenzene	1667	1199	72	1667	0.00	875	0	53	0 *	200 *	40 - 110	16 - 113	20	Q1
3,3'-Dichlorobenzidine	1667	1361	82	1667	0.00	467.7	304.3	28	18	42 *	23 - 127	10 - 138	20	
2,4-Dichlorophenol	1667	1102	66	1667	0.00	959	323.7	58	19	99 *	36 - 110	18 - 121	20	
Diethylphthalate	1667	1475	89	1667	0.00	1226	645.7	74	39	62 *	46 - 111	17 - 124	20	
2,4-Dimethylphenol	1667	1068	64	1667	0.00	955.7	353.7	57	21	92 *	26 - 116	15 - 134	20	
Dimethylphthalate	1667	1446	87	1667	0.00	1319	959	79	58	32 *	46 - 110	13 - 125	20	
2,4-Dinitrophenol	1667	372	22	1667	0.00	0	0	0 *	0 *	0	14 - 115	10 - 155	20	Q1
2,4-Dinitrotoluene	1667	1389	83	1667	0.00	826.7	0	50	0 *	200 *	43 - 110	24 - 137	25	Q1
2,6-Dinitrotoluene	1667	1388	83	1667	0.00	842	0	51	0 *	200 *	46 - 110	29 - 132	23	Q1
Di-n-octylphthalate	1667	1481	89	1667	0.00	867	465	52	28	60 *	37 - 121	10 - 208	20	
bis(2-Ethylhexyl)phthalate	1667	1430	86	1667	59.00	913.3	462	51	24	66 *	41 - 116	14 - 188	20	A25
Fluoranthene	1667	1321	79	1667	77.00	872.3	303	48	14	97 *	41 - 118	11 - 145	20	
Fluorene	1667	1320	79	1667	0.00	949	118.3	57	7 *	156 *	44 - 112	13 - 130	20	Q1
Hexachloro-1,3-butadiene	1667	1084	65	1667	0.00	684.7	0	41	0 *	200 *	34 - 110	16 - 126	20	Q1
Hexachlorobenzene	1667	1272	76	1667	0.00	847.3	105.3	51	6 *	156 *	42 - 111	11 - 120	20	Q1
Hexachlorocyclopentadiene	1667	793.3	48	1667	0.00	221	0	13	0 *	200 *	13 - 114	10 - 112	21	Q1
Hexachloroethane	1667	1216	73	1667	0.00	733.3	0	44	0 *	200 *	43 - 110	12 - 126	23	Q1
Indeno(1,2,3-cd)pyrene	1667	1115	67	1667	0.00	680.3	285.7	41	17	82 *	35 - 122	10 - 126	20	
Isophorone	1667	1154	69	1667	0.00	1055	193.7	63	12	138 *	33 - 110	12 - 127	20	
2-Methylnaphthalene	1667	1105	66	1667	0.00	843.7	61	51	4 *	173 *	32 - 110	10 - 127	20	Q1
Naphthalene	1667	1021	61	1667	0.00	830.3	50.67	50	3 *	177 *	33 - 110	18 - 137	20	Q1

11/5/2008 13:28:45

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 109005 **Project:** 2087367 **LCS:** 20646626 24-Oct-08 13:01

MS: 20646627 24-Oct-08 13:28

Units: ug/kg **MSD:** 20646628 24-Oct-08 13:56

Original for MS: Client Sample 20645524

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
2-Nitroaniline	1667	1300	78	1667	0.00	1118	55	67	3 *	181 *	43 - 115	10 - 136	20	Q1
3-Nitroaniline	1667	1375	83	1667	0.00	733.7	0	44	0 *	200 *	24 - 117	10 - 125	26	Q1
4-Nitroaniline	1667	1399	84	1667	0.00	954.3	182.7	57	11	136 *	38 - 122	10 - 137	26	
Nitrobenzene	1667	1030	62	1667	0.00	745	0	45	0 *	200 *	32 - 111	20 - 145	20	Q1
4-Nitrophenol	1667	1140	68	1667	0.00	634.7	0	38	0 *	200 *	37 - 123	10 - 137	25	Q1
N-Nitroso-di-n-propylamine	1667	1507	90	1667	0.00	1283	109.7	77	7 *	169 *	41 - 111	21 - 137	20	Q1
N-Nitrosodiphenylamine	1667	1332	80	1667	0.00	1081	370.7	65	22	98 *	44 - 112	15 - 133	20	A10
2,2'-Oxybis(1-chloropropan	1667	1336	80	1667	0.00	1063	0	64	0 *	200 *	26 - 124	16 - 129	20	Q1
Pentachlorophenol	1667	1224	74	1667	0.00	1072	558.3	64	34	63 *	29 - 124	10 - 148	23	
Phenanthrene	1667	1250	75	1667	35.00	854.7	199.3	49	10 *	124 *	45 - 112	11 - 138	20	Q1
Phenol	1667	1234	74	1667	0.00	926	719.3	56	43	25 *	43 - 110	14 - 112	20	
Pyrene	1667	1346	81	1667	62.67	829.3	310.3	46	15	91 *	36 - 120	10 - 181	20	
2,4,5-Trichlorophenol	1667	1236	74	1667	0.00	1093	601.7	66	36	58 *	47 - 110	12 - 118	20	
2,4,6-Trichlorophenol	1667	1194	72	1667	0.00	1075	735.7	65	44	37 *	47 - 110	17 - 110	20	

53 compound(s) reported

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*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108753 **Project:** 2087367

Method: Soil EPA 8270

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20645559	108753 BLANK 1		55	74	67	70	77	79		
20645560	108753 LCS 1		93	84	72	65	83	90		
20645515	SD-3503ACE-01		75	64	67	62	69	44		
20645516	SD-3503ACE-02		84	76	74	63	78	66		
20645517	SD-3503ACE-03		78	80	71	62	69	60		
20645525	SD-3503ACE-03A		63	68	64	56	65	45		
20645520	SD-3503ACE-06		80	68	75	72	73	50		
20645521	SD-3503ACE-07		74	76	68	52	69	61		
20645522	SD-3503ACE-08		124	77	86	77	103	95		
20645523	SD-3503ACE-09		76	78	77	70	76	63		
20645524	SD-3503ACE-10	N	0 *	0 *	4 *	0 *	5 *	5 *		
20645561	SD-3503ACE-10 MS 1		93	73	74	53	76	69		
20645562	SD-3503ACE-10 MSD 1		94	74	74	53	76	69		
QC limits:			10-124	22-119	17-110	10-125	13-121	30-149		

Sur 1: 2,4,6-Tribromophenol (S)
Sur 2: 2-Fluorobiphenyl (S)
Sur 3: 2-Fluorophenol (S)
Sur 4: Nitrobenzene-d5 (S)
Sur 5: Phenol-d5 (S)
Sur 6: Terphenyl-d14 (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

11/5/2008 13:28:46

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108778 **Project:** 2087367

Method: Water EPA 8270

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20645625	108778 BLANK 1		97	92	82	88	94	117		
20645626	108778 LCS 1		94	79	48	66	73	86		
20645526	W-3503ACE-RB-07-10-14-08		99	77	78	65	94	87		
	QC limits:		25-145	34-117	10-118	33-120	15-134	24-133		

Sur 1: 2,4,6-Tribromophenol (S)
Sur 2: 2-Fluorobiphenyl (S)
Sur 3: 2-Fluorophenol (S)
Sur 4: Nitrobenzene-d5 (S)
Sur 5: Phenol-d5 (S)
Sur 6: Terphenyl-d14 (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

11/5/2008 13:28:46

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108790 **Project:** 2087367

Method: Water EPA 8270

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20645677	108790 BLANK 1		66	69	63					
20645678	108790 LCS 1		76	66	60					
20645526	W-3503ACE-RB-07-10-14-08		44	60	39					
	QC limits:		12-110	10-110	25-113					

Sur 1: 2-Fluorobiphenyl (S)
Sur 2: Nitrobenzene-d5 (S)
Sur 3: Terphenyl-d14 (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

11/5/2008 13:28:46

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108854 **Project:** 2087367

Method: Water EPA 8260

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20645888	108854 BLANK 1	S1	139 *	82	86					
20646380	108854 BLANK 2		108	87	82					
20646670	108854 BLANK 3		102	81	84					
20645889	108854 LCS 1		114	75	87					
20646381	108854 LCS 2		112	72	82					
20646671	108854 LCS 3		112	74	86					
20645890	LPDES 001 MS 1		115	74	90					
20645891	LPDES 001 MSD 1		116	76	85					
20645530	W-3503ACE-FB-10-14-08		122	80	80					
20645526	W-3503ACE-RB-07-10-14-08	S1	150 *	77	94					
20645529	W-3503ACE-TB-10-14-08		114	79	80					
	QC limits:		68-124	72-126	79-119					

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

11/5/2008 13:28:46

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 109005 **Project:** 2087367

Method: Soil EPA 8270

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20646625	109005 BLANK 1		80	72	68	70	79	79		
20646626	109005 LCS 1		88	75	71	62	85	86		
20645518	SD-3503ACE-04		98	64	73	71	79	58		
20645519	SD-3503ACE-05		76	54	60	44	68	44		
20645524	SD-3503ACE-10	M3	56	14 *	48	5 *	59	24 *		
20646627	SD-3503ACE-10 MS 1		81	50	52	41	63	46		
20646628	SD-3503ACE-10 MSD 1		60	3 *	10 *	0 *	50	17 *		
	QC limits:		10-124	22-119	17-110	10-125	13-121	30-149		

Sur 1: 2,4,6-Tribromophenol (S)
Sur 2: 2-Fluorobiphenyl (S)
Sur 3: 2-Fluorophenol (S)
Sur 4: Nitrobenzene-d5 (S)
Sur 5: Phenol-d5 (S)
Sur 6: Terphenyl-d14 (S)

11/5/2008 13:28:46

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 109090 **Project:** 2087367

Method: Soil EPA 8260

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20647016	109090 BLANK 1		118	82	83					
20647017	109090 LCS 1		112	79	85					
20645515	SD-3503ACE-01		125	88	82					
20645516	SD-3503ACE-02		133	88	83					
20645517	SD-3503ACE-03		125	87	83					
20645525	SD-3503ACE-03A		122	87	83					
20645518	SD-3503ACE-04		125	84	83					
20645519	SD-3503ACE-05		123	88	81					
20645520	SD-3503ACE-06		123	88	84					
20645521	SD-3503ACE-07		122	87	82					
20645522	SD-3503ACE-08		117	84	83					
20645523	SD-3503ACE-09		118	85	84					
20645524	SD-3503ACE-10		122	82	82					
20647018	SD-3503ACE-10 MS 1		128	85	83					
20647019	SD-3503ACE-10 MSD 1		118	85	85					
	QC limits:		59-150	65-136	73-123					

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

11/5/2008 13:28:46

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 108753 BLANK 1 **Project:** 2087367

Lab ID: 20645559

Prep Level: Soil **Batch:** 108753

Method: Soil EPA 8270
GCMS SVOAs Low Soil

Prepared: 16-Oct-08

Units: ug/kg

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis
83-32-9	Acenaphthene	1		ND	330.	17-Oct-08 13:04 JAM
208-96-8	Acenaphthylene	1		ND	330.	17-Oct-08 13:04 JAM
62-53-3	Aniline	1		ND	330.	17-Oct-08 13:04 JAM
120-12-7	Anthracene	1		ND	330.	17-Oct-08 13:04 JAM
56-55-3	Benzo(a)anthracene	1		ND	330.	17-Oct-08 13:04 JAM
205-99-2	Benzo(b)fluoranthene	1		ND	330.	17-Oct-08 13:04 JAM
207-08-9	Benzo(k)fluoranthene	1		ND	330.	17-Oct-08 13:04 JAM
50-32-8	Benzo(a)pyrene	1		ND	330.	17-Oct-08 13:04 JAM
92-52-4	Biphenyl (Diphenyl)	1		ND	330.	17-Oct-08 13:04 JAM
85-68-7	Butylbenzylphthalate	1		ND	330.	17-Oct-08 13:04 JAM
106-47-8	3&4-Chloroaniline	1		ND	330.	17-Oct-08 13:04 JAM
111-44-4	bis(2-Chloroethyl) ether	1		ND	330.	17-Oct-08 13:04 JAM
91-58-7	2-Chloronaphthalene	1		ND	330.	17-Oct-08 13:04 JAM
95-57-8	2-Chlorophenol	1		ND	330.	17-Oct-08 13:04 JAM
218-01-9	Chrysene	1		ND	330.	17-Oct-08 13:04 JAM
53-70-3	Dibenz(a,h)anthracene	1		ND	330.	17-Oct-08 13:04 JAM
132-64-9	Dibenzofuran	1		ND	330.	17-Oct-08 13:04 JAM
95-50-1	1,2-Dichlorobenzene	1		ND	330.	17-Oct-08 13:04 JAM
541-73-1	1,3-Dichlorobenzene	1		ND	330.	17-Oct-08 13:04 JAM
106-46-7	1,4-Dichlorobenzene	1		ND	330.	17-Oct-08 13:04 JAM
91-94-1	3,3'-Dichlorobenzidine	1		ND	667.	17-Oct-08 13:04 JAM
120-83-2	2,4-Dichlorophenol	1		ND	330.	17-Oct-08 13:04 JAM
84-66-2	Diethylphthalate	1		ND	330.	17-Oct-08 13:04 JAM
105-67-9	2,4-Dimethylphenol	1		ND	330.	17-Oct-08 13:04 JAM
131-11-3	Dimethylphthalate	1		ND	330.	17-Oct-08 13:04 JAM
99-65-0	1,3-Dinitrobenzene	1		ND	330.	17-Oct-08 13:04 JAM
51-28-5	2,4-Dinitrophenol	1		ND	330.	17-Oct-08 13:04 JAM
121-14-2	2,4-Dinitrotoluene	1		ND	330.	17-Oct-08 13:04 JAM
606-20-2	2,6-Dinitrotoluene	1		ND	330.	17-Oct-08 13:04 JAM
117-84-0	Di-n-octylphthalate	1		ND	330.	17-Oct-08 13:04 JAM
88-85-7	Dinoseb	1		ND	330.	17-Oct-08 13:04 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	A25	ND	330.	17-Oct-08 13:04 JAM
206-44-0	Fluoranthene	1		ND	330.	17-Oct-08 13:04 JAM

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ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 108753 BLANK 1 **Project:** 2087367

Lab ID: 20645559

Prep Level: Soil **Batch:** 108753

Method: Soil EPA 8270
GCMS SVOAs Low Soil

Prepared: 16-Oct-08

Units: ug/kg

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis
86-73-7	Fluorene	1		ND	330.	17-Oct-08 13:04 JAM
87-68-3	Hexachloro-1,3-butadiene	1		ND	330.	17-Oct-08 13:04 JAM
118-74-1	Hexachlorobenzene	1		ND	330.	17-Oct-08 13:04 JAM
77-47-4	Hexachlorocyclopentadiene	1		ND	330.	17-Oct-08 13:04 JAM
67-72-1	Hexachloroethane	1		ND	330.	17-Oct-08 13:04 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1		ND	330.	17-Oct-08 13:04 JAM
78-59-1	Isophorone	1		ND	330.	17-Oct-08 13:04 JAM
91-57-6	2-Methylnaphthalene	1		ND	330.	17-Oct-08 13:04 JAM
91-20-3	Naphthalene	1		ND	330.	17-Oct-08 13:04 JAM
88-74-4	2-Nitroaniline	1		ND	330.	17-Oct-08 13:04 JAM
99-09-2	3-Nitroaniline	1		ND	330.	17-Oct-08 13:04 JAM
100-01-6	4-Nitroaniline	1		ND	330.	17-Oct-08 13:04 JAM
98-95-3	Nitrobenzene	1		ND	330.	17-Oct-08 13:04 JAM
100-02-7	4-Nitrophenol	1		ND	330.	17-Oct-08 13:04 JAM
621-64-7	N-Nitroso-di-n-propylamine	1		ND	330.	17-Oct-08 13:04 JAM
86-30-6	N-Nitrosodiphenylamine	1	A10	ND	330.	17-Oct-08 13:04 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1		ND	330.	17-Oct-08 13:04 JAM
87-86-5	Pentachlorophenol	1		ND	330.	17-Oct-08 13:04 JAM
85-01-8	Phenanthrene	1		ND	330.	17-Oct-08 13:04 JAM
108-95-2	Phenol	1		ND	330.	17-Oct-08 13:04 JAM
129-00-0	Pyrene	1		ND	330.	17-Oct-08 13:04 JAM
95-94-3	1,2,4,5-Tetrachlorobenzene	1		ND	330.	17-Oct-08 13:04 JAM
58-90-2	2,3,4,6-Tetrachlorophenol	1		ND	330.	17-Oct-08 13:04 JAM
95-95-4	2,4,5-Trichlorophenol	1		ND	330.	17-Oct-08 13:04 JAM
88-06-2	2,4,6-Trichlorophenol	1		ND	330.	17-Oct-08 13:04 JAM

58 compound(s) reported

11/5/2008 13:28:47

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 108778 BLANK 1 **Project:** 2087367

Lab ID: 20645625

Prep Level: Water **Batch:** 108778

Method: Water EPA 8270
GCMS SVOAs Dual pH

Prepared: 16-Oct-08

Units: ug/L

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis
62-53-3	Aniline	1		ND	10.0	21-Oct-08 11:50 JAM
92-52-4	Biphenyl (Diphenyl)	1		ND	10.0	21-Oct-08 11:50 JAM
85-68-7	Butylbenzylphthalate	1		ND	10.0	21-Oct-08 11:50 JAM
106-47-8	3&4-Chloroaniline	1		ND	10.0	21-Oct-08 11:50 JAM
111-44-4	bis(2-Chloroethyl) ether	1		ND	10.0	21-Oct-08 11:50 JAM
91-58-7	2-Chloronaphthalene	1		ND	10.0	21-Oct-08 11:50 JAM
95-57-8	2-Chlorophenol	1		ND	10.0	21-Oct-08 11:50 JAM
132-64-9	Dibenzofuran	1		ND	10.0	21-Oct-08 11:50 JAM
95-50-1	1,2-Dichlorobenzene	1		ND	10.0	21-Oct-08 11:50 JAM
541-73-1	1,3-Dichlorobenzene	1		ND	10.0	21-Oct-08 11:50 JAM
106-46-7	1,4-Dichlorobenzene	1		ND	10.0	21-Oct-08 11:50 JAM
91-94-1	3,3'-Dichlorobenzidine	1		ND	20.0	21-Oct-08 11:50 JAM
120-83-2	2,4-Dichlorophenol	1		ND	10.0	21-Oct-08 11:50 JAM
84-66-2	Diethylphthalate	1		ND	10.0	21-Oct-08 11:50 JAM
105-67-9	2,4-Dimethylphenol	1		ND	10.0	21-Oct-08 11:50 JAM
131-11-3	Dimethylphthalate	1		ND	10.0	21-Oct-08 11:50 JAM
99-65-0	1,3-Dinitrobenzene	1		ND	10.0	21-Oct-08 11:50 JAM
51-28-5	2,4-Dinitrophenol	1		ND	10.0	21-Oct-08 11:50 JAM
121-14-2	2,4-Dinitrotoluene	1		ND	10.0	21-Oct-08 11:50 JAM
606-20-2	2,6-Dinitrotoluene	1		ND	10.0	21-Oct-08 11:50 JAM
117-84-0	Di-n-octylphthalate	1		ND	10.0	21-Oct-08 11:50 JAM
88-85-7	Dinoseb	1		ND	10.0	21-Oct-08 11:50 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	A25	ND	10.0	21-Oct-08 11:50 JAM
87-68-3	Hexachloro-1,3-butadiene	1		ND	10.0	21-Oct-08 11:50 JAM
118-74-1	Hexachlorobenzene	1		ND	10.0	21-Oct-08 11:50 JAM
77-47-4	Hexachlorocyclopentadiene	1		ND	10.0	21-Oct-08 11:50 JAM
67-72-1	Hexachloroethane	1		ND	10.0	21-Oct-08 11:50 JAM
78-59-1	Isophorone	1		ND	10.0	21-Oct-08 11:50 JAM
88-74-4	2-Nitroaniline	1		ND	10.0	21-Oct-08 11:50 JAM
99-09-2	3-Nitroaniline	1		ND	10.0	21-Oct-08 11:50 JAM
100-01-6	4-Nitroaniline	1		ND	10.0	21-Oct-08 11:50 JAM
98-95-3	Nitrobenzene	1		ND	10.0	21-Oct-08 11:50 JAM
100-02-7	4-Nitrophenol	1		ND	10.0	21-Oct-08 11:50 JAM

11/5/2008 13:28:47

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 108778 BLANK 1 **Project:** 2087367

Lab ID: 20645625

Prep Level: Water **Batch:** 108778

Method: Water EPA 8270
GCMS SVOAs Dual pH

Prepared: 16-Oct-08

Units: ug/L

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis
621-64-7	N-Nitroso-di-n-propylamine	1		ND	10.0	21-Oct-08 11:50 JAM
86-30-6	N-Nitrosodiphenylamine	1	A10	ND	10.0	21-Oct-08 11:50 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1		ND	10.0	21-Oct-08 11:50 JAM
87-86-5	Pentachlorophenol	1		ND	10.0	21-Oct-08 11:50 JAM
108-95-2	Phenol	1		ND	10.0	21-Oct-08 11:50 JAM
95-94-3	1,2,4,5-Tetrachlorobenzene	1		ND	10.0	21-Oct-08 11:50 JAM
58-90-2	2,3,4,6-Tetrachlorophenol	1		ND	10.0	21-Oct-08 11:50 JAM
95-95-4	2,4,5-Trichlorophenol	1		ND	10.0	21-Oct-08 11:50 JAM
88-06-2	2,4,6-Trichlorophenol	1		ND	10.0	21-Oct-08 11:50 JAM

42 compound(s) reported

11/5/2008 13:28:47

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 108790 BLANK 1 **Project:** 2087367

Lab ID: 20645677

Prep Level: Water **Batch:** 108790

Method: Water EPA 8270
GCMS SVOAs SIM Water

Prepared: 16-Oct-08

Units: ug/L

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis
83-32-9	Acenaphthene	1		ND	0.100	16-Oct-08 18:14 JAM
208-96-8	Acenaphthylene	1		ND	0.100	16-Oct-08 18:14 JAM
120-12-7	Anthracene	1		ND	0.100	16-Oct-08 18:14 JAM
56-55-3	Benzo(a)anthracene	1		ND	0.100	16-Oct-08 18:14 JAM
205-99-2	Benzo(b)fluoranthene	1		ND	0.100	16-Oct-08 18:14 JAM
207-08-9	Benzo(k)fluoranthene	1		ND	0.100	16-Oct-08 18:14 JAM
50-32-8	Benzo(a)pyrene	1		ND	0.100	16-Oct-08 18:14 JAM
218-01-9	Chrysene	1		ND	0.100	16-Oct-08 18:14 JAM
53-70-3	Dibenz(a,h)anthracene	1		ND	0.100	16-Oct-08 18:14 JAM
206-44-0	Fluoranthene	1		ND	0.100	16-Oct-08 18:14 JAM
86-73-7	Fluorene	1		ND	0.100	16-Oct-08 18:14 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1		ND	0.100	16-Oct-08 18:14 JAM
91-57-6	2-Methylnaphthalene	1		ND	0.100	16-Oct-08 18:14 JAM
91-20-3	Naphthalene	1		ND	0.100	16-Oct-08 18:14 JAM
85-01-8	Phenanthrene	1		ND	0.100	16-Oct-08 18:14 JAM
129-00-0	Pyrene	1		ND	0.100	16-Oct-08 18:14 JAM

16 compound(s) reported

11/5/2008 13:28:47

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 108854 BLANK 1 **Project:** 2087367

Lab ID: 20645888

Prep Level: Water **Batch:** 108854

Method: Water EPA 8260
GCMS VOAs Full List Water BLK

Prepared: 17-Oct-08

Units: ug/L

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis
67-64-1	Acetone	1	A11	ND	10.0	17-Oct-08 20:00 RMP
71-43-2	Benzene	1		ND	5.00	17-Oct-08 20:00 RMP
75-27-4	Bromodichloromethane	1		ND	5.00	17-Oct-08 20:00 RMP
75-25-2	Bromoform	1		ND	5.00	17-Oct-08 20:00 RMP
74-83-9	Bromomethane	1		ND	5.00	17-Oct-08 20:00 RMP
78-93-3	2-Butanone (MEK)	1	A11	ND	10.0	17-Oct-08 20:00 RMP
75-15-0	Carbon disulfide	1		ND	5.00	17-Oct-08 20:00 RMP
56-23-5	Carbon tetrachloride	1		ND	5.00	17-Oct-08 20:00 RMP
108-90-7	Chlorobenzene	1		ND	5.00	17-Oct-08 20:00 RMP
75-00-3	Chloroethane	1		ND	5.00	17-Oct-08 20:00 RMP
67-66-3	Chloroform	1		ND	5.00	17-Oct-08 20:00 RMP
74-87-3	Chloromethane	1		ND	5.00	17-Oct-08 20:00 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1		ND	5.00	17-Oct-08 20:00 RMP
124-48-1	Dibromochloromethane	1		ND	5.00	17-Oct-08 20:00 RMP
75-34-3	1,1-Dichloroethane	1		ND	5.00	17-Oct-08 20:00 RMP
107-06-2	1,2-Dichloroethane	1		ND	5.00	17-Oct-08 20:00 RMP
75-35-4	1,1-Dichloroethene	1		ND	5.00	17-Oct-08 20:00 RMP
156-59-2	cis-1,2-Dichloroethene	1		ND	5.00	17-Oct-08 20:00 RMP
156-60-5	trans-1,2-Dichloroethene	1		ND	5.00	17-Oct-08 20:00 RMP
78-87-5	1,2-Dichloropropane	1		ND	5.00	17-Oct-08 20:00 RMP
10061-01-5	cis-1,3-Dichloropropene	1		ND	5.00	17-Oct-08 20:00 RMP
10061-02-6	trans-1,3-Dichloropropene	1		ND	5.00	17-Oct-08 20:00 RMP
100-41-4	Ethylbenzene	1		ND	5.00	17-Oct-08 20:00 RMP
78-83-1	Isobutanol	1		ND	250.	17-Oct-08 20:00 RMP
75-09-2	Methylene chloride	1	A11	ND	5.00	17-Oct-08 20:00 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1		ND	10.0	17-Oct-08 20:00 RMP
1634-04-4	Methyl-tert-butyl ether	1		ND	5.00	17-Oct-08 20:00 RMP
100-42-5	Styrene	1		ND	5.00	17-Oct-08 20:00 RMP
630-20-6	1,1,1,2-Tetrachloroethane	1		ND	5.00	17-Oct-08 20:00 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1		ND	5.00	17-Oct-08 20:00 RMP
127-18-4	Tetrachloroethene	1		ND	5.00	17-Oct-08 20:00 RMP
108-88-3	Toluene	1		ND	5.00	17-Oct-08 20:00 RMP
120-82-1	1,2,4-Trichlorobenzene	1		ND	5.00	17-Oct-08 20:00 RMP

11/5/2008 13:28:48

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 108854 BLANK 1 **Project:** 2087367

Lab ID: 20645888

Prep Level: Water **Batch:** 108854

Method: Water EPA 8260
GCMS VOAs Full List Water BLK

Prepared: 17-Oct-08

Units: ug/L

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis
71-55-6	1,1,1-Trichloroethane	1		ND	5.00	17-Oct-08 20:00 RMP
79-00-5	1,1,2-Trichloroethane	1		ND	5.00	17-Oct-08 20:00 RMP
79-01-6	Trichloroethene	1		ND	5.00	17-Oct-08 20:00 RMP
75-69-4	Trichlorofluoromethane	1		ND	5.00	17-Oct-08 20:00 RMP
75-01-4	Vinyl chloride	1		ND	5.00	17-Oct-08 20:00 RMP
	m&p-Xylene	1		ND	5.00	17-Oct-08 20:00 RMP
95-47-6	o-Xylene	1		ND	5.00	17-Oct-08 20:00 RMP

40 compound(s) reported

11/5/2008 13:28:48

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 108854 BLANK 2 **Project:** 2087367

Lab ID: 20646380

Prep Level: Water **Batch:** 108854

Method: Water EPA 8260
GCMS VOAs Full List Water BLK

Prepared: 20-Oct-08

Units: ug/L

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis
67-64-1	Acetone	1	A11	ND	10.0	20-Oct-08 09:47 RMP
71-43-2	Benzene	1		ND	5.00	20-Oct-08 09:47 RMP
75-27-4	Bromodichloromethane	1		ND	5.00	20-Oct-08 09:47 RMP
75-25-2	Bromoform	1		ND	5.00	20-Oct-08 09:47 RMP
74-83-9	Bromomethane	1		ND	5.00	20-Oct-08 09:47 RMP
78-93-3	2-Butanone (MEK)	1	A11	ND	10.0	20-Oct-08 09:47 RMP
75-15-0	Carbon disulfide	1		ND	5.00	20-Oct-08 09:47 RMP
56-23-5	Carbon tetrachloride	1		ND	5.00	20-Oct-08 09:47 RMP
108-90-7	Chlorobenzene	1		ND	5.00	20-Oct-08 09:47 RMP
75-00-3	Chloroethane	1		ND	5.00	20-Oct-08 09:47 RMP
67-66-3	Chloroform	1		ND	5.00	20-Oct-08 09:47 RMP
74-87-3	Chloromethane	1		ND	5.00	20-Oct-08 09:47 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1		ND	5.00	20-Oct-08 09:47 RMP
124-48-1	Dibromochloromethane	1		ND	5.00	20-Oct-08 09:47 RMP
75-34-3	1,1-Dichloroethane	1		ND	5.00	20-Oct-08 09:47 RMP
107-06-2	1,2-Dichloroethane	1		ND	5.00	20-Oct-08 09:47 RMP
75-35-4	1,1-Dichloroethene	1		ND	5.00	20-Oct-08 09:47 RMP
156-59-2	cis-1,2-Dichloroethene	1		ND	5.00	20-Oct-08 09:47 RMP
156-60-5	trans-1,2-Dichloroethene	1		ND	5.00	20-Oct-08 09:47 RMP
78-87-5	1,2-Dichloropropane	1		ND	5.00	20-Oct-08 09:47 RMP
10061-01-5	cis-1,3-Dichloropropene	1		ND	5.00	20-Oct-08 09:47 RMP
10061-02-6	trans-1,3-Dichloropropene	1		ND	5.00	20-Oct-08 09:47 RMP
100-41-4	Ethylbenzene	1		ND	5.00	20-Oct-08 09:47 RMP
78-83-1	Isobutanol	1		ND	250.	20-Oct-08 09:47 RMP
75-09-2	Methylene chloride	1	A11	ND	5.00	20-Oct-08 09:47 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1		ND	10.0	20-Oct-08 09:47 RMP
1634-04-4	Methyl-tert-butyl ether	1		ND	5.00	20-Oct-08 09:47 RMP
100-42-5	Styrene	1		ND	5.00	20-Oct-08 09:47 RMP
630-20-6	1,1,1,2-Tetrachloroethane	1		ND	5.00	20-Oct-08 09:47 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1		ND	5.00	20-Oct-08 09:47 RMP
127-18-4	Tetrachloroethene	1		ND	5.00	20-Oct-08 09:47 RMP
108-88-3	Toluene	1		ND	5.00	20-Oct-08 09:47 RMP
120-82-1	1,2,4-Trichlorobenzene	1		ND	5.00	20-Oct-08 09:47 RMP

11/5/2008 13:28:48

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 108854 BLANK 2 **Project:** 2087367

Lab ID: 20646380

Prep Level: Water **Batch:** 108854

Method: Water EPA 8260
GCMS VOAs Full List Water BLK

Prepared: 20-Oct-08

Units: ug/L

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis
71-55-6	1,1,1-Trichloroethane	1		ND	5.00	20-Oct-08 09:47 RMP
79-00-5	1,1,2-Trichloroethane	1		ND	5.00	20-Oct-08 09:47 RMP
79-01-6	Trichloroethene	1		ND	5.00	20-Oct-08 09:47 RMP
75-69-4	Trichlorofluoromethane	1		ND	5.00	20-Oct-08 09:47 RMP
75-01-4	Vinyl chloride	1		ND	5.00	20-Oct-08 09:47 RMP
	m&p-Xylene	1		ND	5.00	20-Oct-08 09:47 RMP
95-47-6	o-Xylene	1		ND	5.00	20-Oct-08 09:47 RMP

40 compound(s) reported

11/5/2008 13:28:48

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 109005 BLANK 1 **Project:** 2087367

Lab ID: 20646625

Prep Level: Soil **Batch:** 109005

Method: Soil EPA 8270
GCMS SVOAs Low Soil

Prepared: 21-Oct-08

Units: ug/kg

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis
83-32-9	Acenaphthene	1		ND	330.	24-Oct-08 12:34 JAM
208-96-8	Acenaphthylene	1		ND	330.	24-Oct-08 12:34 JAM
62-53-3	Aniline	1		ND	330.	24-Oct-08 12:34 JAM
120-12-7	Anthracene	1		ND	330.	24-Oct-08 12:34 JAM
56-55-3	Benzo(a)anthracene	1		ND	330.	24-Oct-08 12:34 JAM
205-99-2	Benzo(b)fluoranthene	1		ND	330.	24-Oct-08 12:34 JAM
207-08-9	Benzo(k)fluoranthene	1		ND	330.	24-Oct-08 12:34 JAM
50-32-8	Benzo(a)pyrene	1		ND	330.	24-Oct-08 12:34 JAM
92-52-4	Biphenyl (Diphenyl)	1		ND	330.	24-Oct-08 12:34 JAM
85-68-7	Butylbenzylphthalate	1		ND	330.	24-Oct-08 12:34 JAM
106-47-8	3&4-Chloroaniline	1		ND	330.	24-Oct-08 12:34 JAM
111-44-4	bis(2-Chloroethyl) ether	1		ND	330.	24-Oct-08 12:34 JAM
91-58-7	2-Chloronaphthalene	1		ND	330.	24-Oct-08 12:34 JAM
95-57-8	2-Chlorophenol	1		ND	330.	24-Oct-08 12:34 JAM
218-01-9	Chrysene	1		ND	330.	24-Oct-08 12:34 JAM
53-70-3	Dibenz(a,h)anthracene	1		ND	330.	24-Oct-08 12:34 JAM
132-64-9	Dibenzofuran	1		ND	330.	24-Oct-08 12:34 JAM
95-50-1	1,2-Dichlorobenzene	1		ND	330.	24-Oct-08 12:34 JAM
541-73-1	1,3-Dichlorobenzene	1		ND	330.	24-Oct-08 12:34 JAM
106-46-7	1,4-Dichlorobenzene	1		ND	330.	24-Oct-08 12:34 JAM
91-94-1	3,3'-Dichlorobenzidine	1		ND	667.	24-Oct-08 12:34 JAM
120-83-2	2,4-Dichlorophenol	1		ND	330.	24-Oct-08 12:34 JAM
84-66-2	Diethylphthalate	1		ND	330.	24-Oct-08 12:34 JAM
105-67-9	2,4-Dimethylphenol	1		ND	330.	24-Oct-08 12:34 JAM
131-11-3	Dimethylphthalate	1		ND	330.	24-Oct-08 12:34 JAM
99-65-0	1,3-Dinitrobenzene	1		ND	330.	24-Oct-08 12:34 JAM
51-28-5	2,4-Dinitrophenol	1		ND	330.	24-Oct-08 12:34 JAM
121-14-2	2,4-Dinitrotoluene	1		ND	330.	24-Oct-08 12:34 JAM
606-20-2	2,6-Dinitrotoluene	1		ND	330.	24-Oct-08 12:34 JAM
117-84-0	Di-n-octylphthalate	1		ND	330.	24-Oct-08 12:34 JAM
88-85-7	Dinoseb	1		ND	330.	24-Oct-08 12:34 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	A25	ND	330.	24-Oct-08 12:34 JAM
206-44-0	Fluoranthene	1		ND	330.	24-Oct-08 12:34 JAM

11/5/2008 13:28:48

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 109005 BLANK 1 **Project:** 2087367

Lab ID: 20646625

Prep Level: Soil **Batch:** 109005

Method: Soil EPA 8270
GCMS SVOAs Low Soil

Prepared: 21-Oct-08

Units: ug/kg

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis
86-73-7	Fluorene	1		ND	330.	24-Oct-08 12:34 JAM
87-68-3	Hexachloro-1,3-butadiene	1		ND	330.	24-Oct-08 12:34 JAM
118-74-1	Hexachlorobenzene	1		ND	330.	24-Oct-08 12:34 JAM
77-47-4	Hexachlorocyclopentadiene	1		ND	330.	24-Oct-08 12:34 JAM
67-72-1	Hexachloroethane	1		ND	330.	24-Oct-08 12:34 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1		ND	330.	24-Oct-08 12:34 JAM
78-59-1	Isophorone	1		ND	330.	24-Oct-08 12:34 JAM
91-57-6	2-Methylnaphthalene	1		ND	330.	24-Oct-08 12:34 JAM
91-20-3	Naphthalene	1		ND	330.	24-Oct-08 12:34 JAM
88-74-4	2-Nitroaniline	1		ND	330.	24-Oct-08 12:34 JAM
99-09-2	3-Nitroaniline	1		ND	330.	24-Oct-08 12:34 JAM
100-01-6	4-Nitroaniline	1		ND	330.	24-Oct-08 12:34 JAM
98-95-3	Nitrobenzene	1		ND	330.	24-Oct-08 12:34 JAM
100-02-7	4-Nitrophenol	1		ND	330.	24-Oct-08 12:34 JAM
621-64-7	N-Nitroso-di-n-propylamine	1		ND	330.	24-Oct-08 12:34 JAM
86-30-6	N-Nitrosodiphenylamine	1	A10	ND	330.	24-Oct-08 12:34 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1		ND	330.	24-Oct-08 12:34 JAM
87-86-5	Pentachlorophenol	1		ND	330.	24-Oct-08 12:34 JAM
85-01-8	Phenanthrene	1		ND	330.	24-Oct-08 12:34 JAM
108-95-2	Phenol	1		ND	330.	24-Oct-08 12:34 JAM
129-00-0	Pyrene	1		ND	330.	24-Oct-08 12:34 JAM
95-94-3	1,2,4,5-Tetrachlorobenzene	1		ND	330.	24-Oct-08 12:34 JAM
58-90-2	2,3,4,6-Tetrachlorophenol	1		ND	330.	24-Oct-08 12:34 JAM
95-95-4	2,4,5-Trichlorophenol	1		ND	330.	24-Oct-08 12:34 JAM
88-06-2	2,4,6-Trichlorophenol	1		ND	330.	24-Oct-08 12:34 JAM

58 compound(s) reported

11/5/2008 13:28:48

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 109090 BLANK 1 **Project:** 2087367

Lab ID: 20647016

Prep Level: Soil **Batch:** 109090

Method: Soil EPA 8260
GCMS VOAs Full List Low, BLK

Prepared: 23-Oct-08

Units: ug/kg

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis
67-64-1	Acetone	1	A11	ND	10.0	23-Oct-08 11:21 RMP
71-43-2	Benzene	1		ND	5.00	23-Oct-08 11:21 RMP
75-27-4	Bromodichloromethane	1		ND	5.00	23-Oct-08 11:21 RMP
75-25-2	Bromoform	1		ND	5.00	23-Oct-08 11:21 RMP
74-83-9	Bromomethane	1		ND	5.00	23-Oct-08 11:21 RMP
78-93-3	2-Butanone (MEK)	1	A11	ND	10.0	23-Oct-08 11:21 RMP
75-15-0	Carbon disulfide	1		ND	5.00	23-Oct-08 11:21 RMP
56-23-5	Carbon tetrachloride	1		ND	5.00	23-Oct-08 11:21 RMP
108-90-7	Chlorobenzene	1		ND	5.00	23-Oct-08 11:21 RMP
75-00-3	Chloroethane	1		ND	5.00	23-Oct-08 11:21 RMP
67-66-3	Chloroform	1		ND	5.00	23-Oct-08 11:21 RMP
74-87-3	Chloromethane	1		ND	5.00	23-Oct-08 11:21 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1		ND	5.00	23-Oct-08 11:21 RMP
124-48-1	Dibromochloromethane	1		ND	5.00	23-Oct-08 11:21 RMP
75-34-3	1,1-Dichloroethane	1		ND	5.00	23-Oct-08 11:21 RMP
107-06-2	1,2-Dichloroethane	1		ND	5.00	23-Oct-08 11:21 RMP
75-35-4	1,1-Dichloroethene	1		ND	5.00	23-Oct-08 11:21 RMP
156-59-2	cis-1,2-Dichloroethene	1		ND	5.00	23-Oct-08 11:21 RMP
156-60-5	trans-1,2-Dichloroethene	1		ND	5.00	23-Oct-08 11:21 RMP
78-87-5	1,2-Dichloropropane	1		ND	5.00	23-Oct-08 11:21 RMP
10061-01-5	cis-1,3-Dichloropropene	1		ND	5.00	23-Oct-08 11:21 RMP
10061-02-6	trans-1,3-Dichloropropene	1		ND	5.00	23-Oct-08 11:21 RMP
100-41-4	Ethylbenzene	1		ND	5.00	23-Oct-08 11:21 RMP
78-83-1	Isobutanol	1		ND	250.	23-Oct-08 11:21 RMP
75-09-2	Methylene chloride	1	A11	ND	5.00	23-Oct-08 11:21 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1		ND	10.0	23-Oct-08 11:21 RMP
1634-04-4	Methyl-tert-butyl ether	1		ND	5.00	23-Oct-08 11:21 RMP
100-42-5	Styrene	1		ND	5.00	23-Oct-08 11:21 RMP
630-20-6	1,1,1,2-Tetrachloroethane	1		ND	5.00	23-Oct-08 11:21 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1		ND	5.00	23-Oct-08 11:21 RMP
127-18-4	Tetrachloroethene	1		ND	5.00	23-Oct-08 11:21 RMP
108-88-3	Toluene	1		ND	5.00	23-Oct-08 11:21 RMP
120-82-1	1,2,4-Trichlorobenzene	1		ND	5.00	23-Oct-08 11:21 RMP

11/5/2008 13:28:48

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 109090 BLANK 1 **Project:** 2087367

Lab ID: 20647016

Prep Level: Soil **Batch:** 109090

Method: Soil EPA 8260
GCMS VOAs Full List Low, BLK

Prepared: 23-Oct-08

Units: ug/kg

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis
71-55-6	1,1,1-Trichloroethane	1		ND	5.00	23-Oct-08 11:21 RMP
79-00-5	1,1,2-Trichloroethane	1		ND	5.00	23-Oct-08 11:21 RMP
79-01-6	Trichloroethene	1		ND	5.00	23-Oct-08 11:21 RMP
75-69-4	Trichlorofluoromethane	1		ND	5.00	23-Oct-08 11:21 RMP
75-01-4	Vinyl chloride	1		ND	5.00	23-Oct-08 11:21 RMP
	m&p-Xylene	1		ND	5.00	23-Oct-08 11:21 RMP
95-47-6	o-Xylene	1		ND	5.00	23-Oct-08 11:21 RMP

40 compound(s) reported

11/5/2008 13:28:48

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108789 **Project:** 2087367 **LCS:** 20645676 16-Oct-08 23:31

MS:

Units: mg/L **MSD:**

Original for MS:

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Diesel Range Organics (C1	0.4	0.2313	58								13 - 117	-		Q5

1 compound(s) reported

11/5/2008 13:28:49

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108808 **Project:** 2087367 **LCS:** 20645782 28-Oct-08 16:48

MS: 20645783 28-Oct-08 21:28

Units: mg/kg **MSD:** 20645784 28-Oct-08 21:53

Original for MS: Project Sample 20645524

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Diesel Range Organics (C1	40	37.13	93	40	111.90	25.98	138.2	0 *	66	137 *	46 - 123	10 - 167	20	Q1

1 compound(s) reported

11/5/2008 13:28:49

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 109481 **Project:** 2087367 **LCS:** 20648986 04-Nov-08 13:31

MS: 20648987 04-Nov-08 14:23

Units: mg/kg **MSD:** 20648988 04-Nov-08 14:49

Original for MS: Client Sample 20645520

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Diesel Range Organics (C1	40	36.98	93	40	11.42	35.43	33.65	60	56	5	46 - 123	10 - 167	20	

1 compound(s) reported

11/5/2008 13:28:49

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108768 **Project:** 2087367 **LCS:** 20645585 17-Oct-08 19:02

MS: 20645586 17-Oct-08 23:36

Units: mg/kg **MSD:** 20645587 18-Oct-08 0:01

Original for MS: Project Sample 20645524

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Gasoline Range Organics(C	25	23.5	94	35.31	1.19	26.02	20.96	70	64	22 *	73 - 127	20 - 157	20	
1 compound(s) reported														

11/5/2008 13:28:49

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108791 **Project:** 2087367 **LCS:** 20645680 17-Oct-08 10:17

MS:

Units: mg/L **MSD:**

Original for MS:

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Gasoline Range Organics(C	0.5	0.4592	92								86 - 136	-		Q5

1 compound(s) reported

11/5/2008 13:28:49

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108791 **Project:** 2087367 **LCS:** 20646355 20-Oct-08 14:03

MS:

Units: mg/L **MSD:**

Original for MS:

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Gasoline Range Organics(C	0.5	0.5138	103								86 - 136	-		Q5

1 compound(s) reported

11/5/2008 13:28:49

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108750 **Project:** 2087367 **LCS:** 20645548 23-Oct-08 17:50

MS: 20645549 23-Oct-08 21:15

Units: ug/kg **MSD:** 20645550 23-Oct-08 21:34

Original for MS: Project Sample 20645524

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Aldrin	16.67	10.51	63	16.67	0.00	7.833	7.19	47	43	9	40 - 133	10 - 168	20	
alpha-BHC	16.67	11.9	71	16.67	0.00	10.83	10.52	65	63	3	38 - 130	10 - 193	20	
beta-BHC	16.67	11.15	67	16.67	0.00	11.12	11.28	67	68	1	40 - 134	10 - 222	29	
gamma-BHC (Lindane)	16.67	12.06	72	16.67	0.00	10.93	10.31	66	62	6	42 - 126	10 - 208	24	
4,4'-DDD	16.67	11.93	72	16.67	0.00	9.677	9.267	58	56	4	49 - 129	10 - 200	20	
4,4'-DDE	16.67	10.98	66	16.67	0.00	7.99	7.433	48	45	7	45 - 136	10 - 170	20	
4,4'-DDT	16.67	12.16	73	16.67	0.00	9.283	8.343	56	50	11	41 - 128	10 - 163	20	
Dieldrin	16.67	12.63	76	16.67	0.00	9.5	9.19	57	55	3	42 - 127	10 - 148	20	
Endosulfan I	16.67	7.98	48	16.67	0.00	6.057	5.593	36	34	8	15 - 110	10 - 179	26	
Endosulfan II	16.67	7.44	45	16.67	0.00	5.663	5.667	34	34	0	20 - 111	10 - 189	20	
Endrin	16.67	13.17	79	16.67	0.00	10.94	10.3	66	62	6	37 - 192	10 - 236	21	
Heptachlor	16.67	11.96	72	16.67	0.00	9.12	8.073	55	48	12	41 - 127	10 - 169	20	
Heptachlor epoxide	16.67	10.54	63	16.67	0.00	8.133	8.023	49	48	1	41 - 132	10 - 203	21	
Methoxychlor	16.67	14.65	88	16.67	0.00	14.66	13.76	88	83	6	42 - 133	10 - 179	20	

14 compound(s) reported

11/5/2008 13:28:49

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108758 **Project:** 2087367 **LCS:** 20645570 22-Oct-08 22:39

MS:

Units: ug/L **MSD:**

Original for MS:

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Aldrin	0.5	0.224	45								10 - 110	-		Q5
alpha-BHC	0.5	0.3446	69								32 - 133	-		Q5
beta-BHC	0.5	0.2931	59								36 - 134	-		Q5
gamma-BHC (Lindane)	0.5	0.3502	70								28 - 141	-		Q5
4,4'-DDD	0.5	0.3275	66								28 - 130	-		Q5
4,4'-DDE	0.5	0.2274	46								21 - 110	-		Q5
4,4'-DDT	0.5	0.2789	56								26 - 121	-		Q5
Dieldrin	0.5	0.3487	70								34 - 129	-		Q5
Endosulfan I	0.5	0.2066	41								25 - 113	-		Q5
Endosulfan II	0.5	0.1953	39								30 - 123	-		Q5
Endrin	0.5	0.3944	79								36 - 179	-		Q5
Heptachlor	0.5	0.2944	59								21 - 116	-		Q5
Heptachlor epoxide	0.5	0.2988	60								34 - 130	-		Q5
Methoxychlor	0.5	0.3955	79								31 - 153	-		Q5

14 compound(s) reported

11/5/2008 13:28:49

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108751 **Project:** 2087367 **LCS:** 20645552 17-Oct-08 15:56

MS: 20645553 17-Oct-08 21:50

Units: ug/kg **MSD:** 20645554 17-Oct-08 22:04

Original for MS: Project Sample 20645524

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
PCB-1016 (Aroclor 1016)	333.3	287.7	86	333.3	0.00	113.7	235.7	34	71	70 *	32 - 130	13 - 143	20	
PCB-1260 (Aroclor 1260)	333.3	277	83	333.3	0.00	109.7	240.7	33	72	75 *	29 - 138	12 - 169	26	

2 compound(s) reported

11/5/2008 13:28:49

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108759 **Project:** 2087367 **LCS:** 20645572 17-Oct-08 22:46

MS:

Units: ug/L **MSD:**

Original for MS:

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
PCB-1016 (Aroclor 1016)	10	6.22	62								14 - 130	-		Q5
PCB-1260 (Aroclor 1260)	10	5.36	54								12 - 122	-		Q5

2 compound(s) reported

11/5/2008 13:28:49

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108752 **Project:** 2087367 **LCS:** 20645556 24-Oct-08 17:04

MS: 20645557 27-Oct-08 13:58

Units: ug/kg **MSD:** 20645558 27-Oct-08 14:15

Original for MS: Project Sample 20645524

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
2,4-D	666.7	597.3	90	666.7	0.00	266.5	371	40	56	33 *	26 - 170	10 - 161	32	
2,4-DB	666.7	730.3	110	666.7	0.00	532.7	472.7	80	71	12	28 - 192	15 - 191	21	
Dicamba	66.67	56.67	85	66.67	0.00	13.17	28.77	20	43	74 *	33 - 156	10 - 155	43	
Dichloroprop	666.7	593.7	89	666.7	0.00	368	409	55	61	11	45 - 184	10 - 185	34	
MCPA	66670	70500	106	66670	0.00	33270	44230	50	66	28 *	42 - 176	10 - 175	20	
MCPP	66670	59170	89	66670	0.00	42500	44400	64	67	4	28 - 179	10 - 179	27	
2,4,5-T	66.67	64.53	97	66.67	0.00	26.03	37.3	39	56	36	10 - 194	10 - 185	41	
2,4,5-TP (Silvex)	66.67	63	95	66.67	6.33	45.2	40.27	58	51	12	38 - 179	10 - 195	27	

8 compound(s) reported

11/5/2008 13:28:49

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Organics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108760 **Project:** 2087367 **LCS:** 20645574 22-Oct-08 16:34

MS:

Units: ug/L **MSD:**

Original for MS:

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
2,4-D	20	13.05	65								25 - 163	-		Q5
2,4-DB	20	18.21	91								36 - 164	-		Q5
Dicamba	2	1.211	61								27 - 162	-		Q5
Dichloroprop	20	16.42	82								35 - 164	-		Q5
MCPA	2000	1715	86								26 - 167	-		Q5
MCPP	2000	1809	91								32 - 158	-		Q5
2,4,5-T	2	1.638	82								29 - 162	-		Q5
2,4,5-TP (Silvex)	2	1.791	90								30 - 165	-		Q5

8 compound(s) reported

11/5/2008 13:28:49

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108750 **Project:** 2087367

Method: Soil EPA 8081

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20645547	108750 BLANK 1		85	97	62	61				
20645548	108750 LCS 1		85	97	70	69				
20645515	SD-3503ACE-01		25	23	26	25				
20645516	SD-3503ACE-02		28	30	41	23				
20645517	SD-3503ACE-03		22	24	34	35				
20645525	SD-3503ACE-03A		33	32	37	34				
20645518	SD-3503ACE-04		22	24	34	32				
20645519	SD-3503ACE-05		28	28	38	42				
20645520	SD-3503ACE-06		24	24	29	30				
20645521	SD-3503ACE-07		43	34	38	39				
20645522	SD-3503ACE-08		28	28	38	36				
20645523	SD-3503ACE-09		28	31	38	36				
20645524	SD-3503ACE-10		26	30	43	42				
20645549	SD-3503ACE-10 MS 1		44	48	43	42				
20645550	SD-3503ACE-10 MSD 1		55	62	49	50				
	QC limits:		15-179	15-177	10-144	10-178				

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

11/5/2008 13:28:51

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108751 **Project:** 2087367

Method: Soil EPA 8082

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20645551	108751 BLANK 1		85	95	78	70				
20645552	108751 LCS 1		101	104	91	101				
20645515	SD-3503ACE-01		21 *	21	37	29				
20645516	SD-3503ACE-02		38	2 *	44	72				
20645517	SD-3503ACE-03		31	0 *	34	47				
20645525	SD-3503ACE-03A		29 *	27	41	47				
20645518	SD-3503ACE-04		18 *	0 *	46	39				
20645519	SD-3503ACE-05		29 *	30	52	48				
20645520	SD-3503ACE-06		23 *	24	43	31				
20645521	SD-3503ACE-07		31	32	51	40				
20645522	SD-3503ACE-08		27 *	27	53	42				
20645523	SD-3503ACE-09		32	31	47	40				
20645524	SD-3503ACE-10		30	30	55	48				
20645553	SD-3503ACE-10 MS 1		37	35	37	36				
20645554	SD-3503ACE-10 MSD 1		86	84	75	75				
	QC limits:		30-187	15-184	30-178	10-171				

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

11/5/2008 13:28:51

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108752 **Project:** 2087367

Method: Soil EPA 8151

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20645555	108752 BLANK 1		74	78						
20645556	108752 LCS 1		92	88						
20645515	SD-3503ACE-01		143	66						
20645516	SD-3503ACE-02		152	39						
20645517	SD-3503ACE-03		37	38						
20645525	SD-3503ACE-03A		125	70						
20645518	SD-3503ACE-04		78	43						
20645519	SD-3503ACE-05	G1	174 *	48						
20645520	SD-3503ACE-06		31	36						
20645521	SD-3503ACE-07		121	78						
20645522	SD-3503ACE-08		49	33						
20645523	SD-3503ACE-09		77	64						
20645524	SD-3503ACE-10		79	57						
20645557	SD-3503ACE-10 MS 1		84	65						
20645558	SD-3503ACE-10 MSD 1		82	64						
	QC limits:		10-169	10-161						

Sur 1: 2,4-DCPA (Conf)(S)
Sur 2: 2,4-DCPA (S)

11/5/2008 13:28:51

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108758 **Project:** 2087367

Method: Water EPA 8081

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20645569	108758 BLANK 1		63	72	54	49				
20645570	108758 LCS 1		70	78	51	47				
20645526	W-3503ACE-RB-07-10-14-08		72	81	63	59				
	QC limits:		10-137	10-144	18-119	18-122				

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

11/5/2008 13:28:51

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108759 **Project:** 2087367

Method: Water EPA 8082

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20645571	108759 BLANK 1		68	66	62	54				
20645572	108759 LCS 1		76	78	69	67				
20645526	W-3503ACE-RB-07-10-14-08		77	82	74	61				
	QC limits:		10-145	11-138	34-132	18-127				

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

11/5/2008 13:28:51

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108760 **Project:** 2087367

Method: Water EPA 8151

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20645573	108760 BLANK 1		77	82						
20645574	108760 LCS 1		73	77						
20645526	W-3503ACE-RB-07-10-14-08		69	75						
	QC limits:		10-181	10-181						

Sur 1: 2,4-DCPA (Conf)(S)
Sur 2: 2,4-DCPA (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

11/5/2008 13:28:51

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108768 **Project:** 2087367

Method: Soil EPA 8015/8021

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20645584	108768 BLANK 1		95							
20645585	108768 LCS 1		116							
20645515	SD-3503ACE-01		77							
20645516	SD-3503ACE-02		76							
20645517	SD-3503ACE-03		87							
20645525	SD-3503ACE-03A		79							
20645518	SD-3503ACE-04		79							
20645519	SD-3503ACE-05		66							
20645520	SD-3503ACE-06		88							
20645521	SD-3503ACE-07		83							
20645522	SD-3503ACE-08		78							
20645523	SD-3503ACE-09		79							
20645524	SD-3503ACE-10		72							
20645586	SD-3503ACE-10 MS 1		88							
20645587	SD-3503ACE-10 MSD 1		84							
	QC limits:		38-159							

Sur 1: 4-Bromofluorobenzene (S)

11/5/2008 13:28:51

*** denotes surrogate recovery outside of QC limits.**

D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108789 **Project:** 2087367

Method: Water EPA 8015 Mod Ext

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20645675	108789 BLANK 1		61	73						
20645676	108789 LCS 1		48	60						
20645526	W-3503ACE-RB-07-10-14-08		59	63						
	QC limits:		16-137	10-121						

Sur 1: n-Pentacosane (S)
Sur 2: o-Terphenyl (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

11/5/2008 13:28:51

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108791 **Project:** 2087367

Method: Water EPA 8015/8021

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20645679	108791 BLANK 1		89							
20646354	108791 BLANK 2		102							
20645680	108791 LCS 1		104							
20646355	108791 LCS 2		104							
20645530	W-3503ACE-FB-10-14-08		104							
20645526	W-3503ACE-RB-07-10-14-08		82							
20645529	W-3503ACE-TB-10-14-08		77							
	QC limits:		60-129							

Sur 1: 4-Bromofluorobenzene (S)

11/5/2008 13:28:51

*** denotes surrogate recovery outside of QC limits.**

D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 108808 **Project:** 2087367

Method: Soil EPA 8015 Mod Ext

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20645781	108808 BLANK 1		89	83						
20645782	108808 LCS 1		93	93						
20645515	SD-3503ACE-01		34	36						
20645516	SD-3503ACE-02		63	74						
20645517	SD-3503ACE-03		34	43						
20645525	SD-3503ACE-03A		79	83						
20645518	SD-3503ACE-04		58	58						
20645519	SD-3503ACE-05		50	59						
20645520	SD-3503ACE-06	N	8 *	3 *						
20645521	SD-3503ACE-07		52	48						
20645522	SD-3503ACE-08		56	64						
20645523	SD-3503ACE-09		44	68						
20645524	SD-3503ACE-10		105	101						
20645783	SD-3503ACE-10 MS 1		11 *	24						
20645784	SD-3503ACE-10 MSD 1		80	82						
	QC limits:		16-147	16-127						

Sur 1: n-Pentacosane (S)
Sur 2: o-Terphenyl (S)

11/5/2008 13:28:51

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Batch: 109481 **Project:** 2087367

Method: Soil EPA 8015 Mod Ext

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20648985	109481 BLANK 1		82	83						
20648986	109481 LCS 1		87	93						
20645520	SD-3503ACE-06	N	39	55						
20648987	SD-3503ACE-06 MS 1		70	86						
20648988	SD-3503ACE-06 MSD 1		77	84						
	QC limits:		16-147	16-127						

Sur 1: n-Pentacosane (S)
Sur 2: o-Terphenyl (S)

11/5/2008 13:28:51

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 108750 BLANK 1 **Project:** 2087367

Lab ID: 20645547

Prep Level: Soil **Batch:** 108750

Method: Soil EPA 8081
8081 Pests Low Soil

Prepared: 16-Oct-08

Units: ug/kg

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis	
309-00-2	Aldrin	1		ND	1.70	23-Oct-08 17:32	SLF
319-84-6	alpha-BHC	1		ND	1.70	23-Oct-08 17:32	SLF
319-85-7	beta-BHC	1		ND	1.70	23-Oct-08 17:32	SLF
58-89-9	gamma-BHC (Lindane)	1		ND	1.70	23-Oct-08 17:32	SLF
57-74-9	Chlordane	1		ND	3.33	23-Oct-08 17:32	SLF
72-54-8	4,4'-DDD	1		ND	3.33	23-Oct-08 17:32	SLF
72-55-9	4,4'-DDE	1		ND	3.33	23-Oct-08 17:32	SLF
50-29-3	4,4'-DDT	1		ND	3.33	23-Oct-08 17:32	SLF
60-57-1	Dieldrin	1		ND	3.33	23-Oct-08 17:32	SLF
959-98-8	Endosulfan I	1		ND	1.70	23-Oct-08 17:32	SLF
33213-65-9	Endosulfan II	1		ND	3.33	23-Oct-08 17:32	SLF
72-20-8	Endrin	1		ND	3.33	23-Oct-08 17:32	SLF
76-44-8	Heptachlor	1		ND	1.70	23-Oct-08 17:32	SLF
1024-57-3	Heptachlor epoxide	1		ND	1.70	23-Oct-08 17:32	SLF
72-43-5	Methoxychlor	1		ND	16.7	23-Oct-08 17:32	SLF
8001-35-2	Toxaphene	1		ND	66.7	23-Oct-08 17:32	SLF

16 compound(s) reported

11/5/2008 13:28:52

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 108751 BLANK 1 **Project:** 2087367

Lab ID: 20645551

Prep Level: Soil **Batch:** 108751

Method: Soil EPA 8082
8082 PCBs Low Soil

Prepared: 16-Oct-08

Units: ug/kg

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis	
12674-11-2	PCB-1016 (Aroclor 1016)	1		ND	33.3	17-Oct-08 15:42	SLF
11104-28-2	PCB-1221 (Aroclor 1221)	1		ND	33.3	17-Oct-08 15:42	SLF
11141-16-5	PCB-1232 (Aroclor 1232)	1		ND	33.3	17-Oct-08 15:42	SLF
53469-21-9	PCB-1242 (Aroclor 1242)	1		ND	33.3	17-Oct-08 15:42	SLF
12672-29-6	PCB-1248 (Aroclor 1248)	1		ND	33.3	17-Oct-08 15:42	SLF
11097-69-1	PCB-1254 (Aroclor 1254)	1		ND	33.3	17-Oct-08 15:42	SLF
11096-82-5	PCB-1260 (Aroclor 1260)	1		ND	33.3	17-Oct-08 15:42	SLF

7 compound(s) reported

11/5/2008 13:28:52

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 108752 BLANK 1 **Project:** 2087367

Lab ID: 20645555

Prep Level: Soil **Batch:** 108752

Method: Soil EPA 8151
8151 Herbs Low Soil

Prepared: 16-Oct-08

Units: ug/kg

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis	
94-75-7	2,4-D	1		ND	66.7	24-Oct-08 16:12	SLF
94-82-6	2,4-DB	1		ND	167.	24-Oct-08 16:12	SLF
1918-00-9	Dicamba	1		ND	66.7	24-Oct-08 16:12	SLF
120-36-5	Dichloroprop	1		ND	66.7	24-Oct-08 16:12	SLF
94-74-6	MCPA	1		ND	8330	24-Oct-08 16:12	SLF
7085-19-0	MCPP	1		ND	8330	24-Oct-08 16:12	SLF
93-76-5	2,4,5-T	1		ND	66.7	24-Oct-08 16:12	SLF
93-72-1	2,4,5-TP (Silvex)	1		ND	66.7	24-Oct-08 16:12	SLF

8 compound(s) reported

11/5/2008 13:28:52

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 108758 BLANK 1 **Project:** 2087367

Lab ID: 20645569

Prep Level: Water **Batch:** 108758

Method: Water EPA 8081
8081 Pests Water

Prepared: 16-Oct-08

Units: ug/L

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis	
309-00-2	Aldrin	1		ND	0.0500	22-Oct-08 22:20	SLF
319-84-6	alpha-BHC	1		ND	0.0500	22-Oct-08 22:20	SLF
319-85-7	beta-BHC	1		ND	0.0500	22-Oct-08 22:20	SLF
58-89-9	gamma-BHC (Lindane)	1		ND	0.0500	22-Oct-08 22:20	SLF
57-74-9	Chlordane	1		ND	0.500	22-Oct-08 22:20	SLF
72-54-8	4,4'-DDD	1		ND	0.100	22-Oct-08 22:20	SLF
72-55-9	4,4'-DDE	1		ND	0.100	22-Oct-08 22:20	SLF
50-29-3	4,4'-DDT	1		ND	0.100	22-Oct-08 22:20	SLF
60-57-1	Dieldrin	1		ND	0.100	22-Oct-08 22:20	SLF
959-98-8	Endosulfan I	1		ND	0.0500	22-Oct-08 22:20	SLF
33213-65-9	Endosulfan II	1		ND	0.100	22-Oct-08 22:20	SLF
72-20-8	Endrin	1		ND	0.100	22-Oct-08 22:20	SLF
76-44-8	Heptachlor	1		ND	0.0500	22-Oct-08 22:20	SLF
1024-57-3	Heptachlor epoxide	1		ND	0.0500	22-Oct-08 22:20	SLF
72-43-5	Methoxychlor	1		ND	0.500	22-Oct-08 22:20	SLF
8001-35-2	Toxaphene	1		ND	2.00	22-Oct-08 22:20	SLF

16 compound(s) reported

11/5/2008 13:28:52

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 108759 BLANK 1 **Project:** 2087367

Lab ID: 20645571

Prep Level: Water **Batch:** 108759

Method: Water EPA 8082
8082 PCBs Water

Prepared: 16-Oct-08

Units: ug/L

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis	
12674-11-2	PCB-1016 (Aroclor 1016)	1		ND	1.00	17-Oct-08 22:32	SLF
11104-28-2	PCB-1221 (Aroclor 1221)	1		ND	1.00	17-Oct-08 22:32	SLF
11141-16-5	PCB-1232 (Aroclor 1232)	1		ND	1.00	17-Oct-08 22:32	SLF
53469-21-9	PCB-1242 (Aroclor 1242)	1		ND	1.00	17-Oct-08 22:32	SLF
12672-29-6	PCB-1248 (Aroclor 1248)	1		ND	1.00	17-Oct-08 22:32	SLF
11097-69-1	PCB-1254 (Aroclor 1254)	1		ND	1.00	17-Oct-08 22:32	SLF
11096-82-5	PCB-1260 (Aroclor 1260)	1		ND	1.00	17-Oct-08 22:32	SLF

7 compound(s) reported

11/5/2008 13:28:52

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 108760 BLANK 1 **Project:** 2087367

Lab ID: 20645573

Prep Level: Water **Batch:** 108760

Method: Water EPA 8151
8151 Herbs Water

Prepared: 16-Oct-08

Units: ug/L

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis	
94-75-7	2,4-D	1		ND	2.00	22-Oct-08 16:18	SLF
94-82-6	2,4-DB	1		ND	5.00	22-Oct-08 16:18	SLF
1918-00-9	Dicamba	1		ND	2.00	22-Oct-08 16:18	SLF
120-36-5	Dichloroprop	1		ND	2.00	22-Oct-08 16:18	SLF
94-74-6	MCPA	1		ND	250.	22-Oct-08 16:18	SLF
7085-19-0	MCPP	1		ND	250.	22-Oct-08 16:18	SLF
93-76-5	2,4,5-T	1		ND	2.00	22-Oct-08 16:18	SLF
93-72-1	2,4,5-TP (Silvex)	1		ND	2.00	22-Oct-08 16:18	SLF

8 compound(s) reported

11/5/2008 13:28:53

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 108768 BLANK 1 **Project:** 2087367

Lab ID: 20645584

Prep Level: Soil **Batch:** 108768

Method: Soil EPA 8015/8021
8015/8021 Med Soil

Prepared: 16-Oct-08

Units: mg/kg

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis
	Gasoline Range Organics(C6-10)	1		0.759 J	2.50	17-Oct-08 18:37 TLB1

1 compound(s) reported

11/5/2008 13:28:53

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 108789 BLANK 1 **Project:** 2087367

Lab ID: 20645675

Prep Level: Water **Batch:** 108789

Method: Water EPA 8015 Mod Ext
TPH Extractables Water BLK LCS

Prepared: 16-Oct-08

Units: mg/L

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis
	Diesel Range Organics (C10-28)	1		ND	0.150	16-Oct-08 23:05 SPP1
	Oil Range Organics (>C28-40)	1		ND	0.150	16-Oct-08 23:05 SPP1

2 compound(s) reported

11/5/2008 13:28:53

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 108791 BLANK 1 **Project:** 2087367

Lab ID: 20645679

Prep Level: Water **Batch:** 108791

Method: Water EPA 8015/8021
8015/8021 Water Blank

Prepared: 17-Oct-08

Units: mg/L

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis
	Gasoline Range Organics(C6-10)	1		ND	0.0500	17-Oct-08 09:52 TLB1

1 compound(s) reported

11/5/2008 13:28:53

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 108791 BLANK 2 **Project:** 2087367

Lab ID: 20646354

Prep Level: Water **Batch:** 108791

Method: Water EPA 8015/8021
8015/8021 Water Blank

Prepared: 20-Oct-08

Units: mg/L

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis
	Gasoline Range Organics(C6-10)	1		ND	0.0500	20-Oct-08 12:13 MHM

1 compound(s) reported

11/5/2008 13:28:53

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 108808 BLANK 1 **Project:** 2087367

Lab ID: 20645781

Prep Level: Soil **Batch:** 108808

Method: Soil EPA 8015 Mod Ext
8015 TPH Extractables Soil

Prepared: 16-Oct-08

Units: mg/kg

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis
	Diesel Range Organics (C10-28)	1		ND	10.0	28-Oct-08 16:23 SPP1
	Oil Range Organics (>C28-40)	1		ND	50.0	28-Oct-08 16:23 SPP1

2 compound(s) reported

11/5/2008 13:28:53

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Organics Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Blank ID: 109481 BLANK 1 **Project:** 2087367

Lab ID: 20648985

Prep Level: Soil **Batch:** 109481

Method: Soil EPA 8015 Mod Ext
8015 TPH Extractables Soil

Prepared: 30-Oct-08

Units: mg/kg

CAS Numb	Analyte	Dilution	Qu	Result	Reporting Limit	Analysis
	Diesel Range Organics (C10-28)	1		ND	10.0	31-Oct-08 17:44 SNP1
	Oil Range Organics (>C28-40)	1		ND	50.0	31-Oct-08 17:44 SNP1

2 compound(s) reported

11/5/2008 13:28:53

ND denotes Not Detected at or above the adjusted reporting limit or PQL.
MDL denotes method detection limit

Limits are corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Inorganics Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 2087367

Parameter	Batch	Blank	ARL	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	MSD RPD	DUP RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Arsenic	108779	ND	1.00	mg/kg	100	95.42	95	94.34	4.15	89.93	85.65	91	91	5		68 - 125	48 - 134	20	
Barium	108779	ND	20.0	mg/kg	100	100.8	101	94.34	464.00	526.2	497.7	66	38	6		68 - 130	19 - 180	20	
Cadmium	108779	ND	0.500	mg/kg	100	98.69	99	94.34	0.47	87.16	85.4	92	95	2		62 - 131	50 - 130	20	
Chromium	108779	ND	1.00	mg/kg	100	102.6	103	94.34	10.36	102.6	99.06	98	99	4		62 - 132	48 - 144	20	
Lead	108779	ND	0.500	mg/kg	100	99.47	100	94.34	18.28	102.8	119.1	90	113	15		68 - 128	35 - 149	20	
Selenium	108779	ND	3.50	mg/kg	100	95.16	95	94.34	0.48	84.99	81.24	90	91	5		65 - 121	46 - 129	20	
Silver	108779	ND	1.00	mg/kg	50	50.34	101	47.17	0.18	45.62	42.84	96	96	6		59 - 130	10 - 162	20	
Mercury	108780	ND	0.0200	mg/kg	0.1	0.1109	111	0.08571	0.05	0.1383	0.1546	108	109	11		80 - 120	75 - 125	20	
Mercury	108956	ND	0.200	ug/L	1	1.1	110	1	0.01	1.094	1.102	108	109	1		80 - 120	75 - 125	20	
Arsenic	108959	ND	10.0	ug/L	1000	953.6	95	1000	0.00	933.8	932.4	94	94	0		86 - 118	62 - 134	20	
Barium	108959	ND	!00.	ug/L	1000	1002	100	1000	35.82	1005	1018	97	98	1		87 - 122	55 - 140	20	
Cadmium	108959	ND	5.00	ug/L	1000	999.4	100	1000	1.07	998	990.6	100	99	1		86 - 117	62 - 127	20	
Chromium	108959	ND	10.0	ug/L	1000	1010	101	1000	0.00	980.2	993.9	98	99	1		85 - 116	54 - 135	20	
Lead	108959	ND	5.00	ug/L	1000	986.7	99	1000	6.48	964.1	959.7	96	95	0		86 - 119	50 - 138	20	
Selenium	108959	ND	35.0	ug/L	1000	999.4	100	1000	0.00	963.8	972.6	97	98	1		86 - 119	61 - 134	20	
Silver	108959	ND	10.0	ug/L	500	504.6	101	500	1.45	493.2	499.4	98	100	1		72 - 129	10 - 170	20	

11/5/2008 13:28:54

*** denotes recovery outside of QC limits.**

ND denotes Not Detected at or above the adjusted reporting limit or PQL.

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Definitions/Qualifiers

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
(504) 469-0333

Project: 2087367

Value	Description
A10	N-Nitrosodiphenylamine is reported as diphenylamine.
A11	This analyte is a common solvent. Its presence in field samples may be an artifact of sample collection, transport, laboratory storage or analysis.
A25	This analyte is a common plasticizer. Its presence in field samples may be an artifact of sample collection, transport, laboratory storage or analysis.
A99	This analyte is a poor performer by this method. The QC recovery data for this analyte may be poor or erratic as demonstrated by a performance-based statistical evaluation.
G1	Interferences are present which caused poor surrogate recovery.
M3	Poor surrogate recoveries were observed in this sample. Analysis of the sample MS/MSD yielded similar results, indicating a sample matrix effect. No further corrective action was taken.
N	See narrative for a detailed explanation.
Q1	The matrix spike recoveries are poor. Acceptable method performance for this analyte has been demonstrated by the laboratory control sample recovery.
Q5	Insufficient sample was provided to perform matrix spike analyses on any sample in this analytical batch. Method performance for this analyte has been demonstrated by the laboratory control sample recovery.
S1	The surrogate recovery was above the QC limit. The data are reported without qualification since the associated target analytes were not detected in the sample.
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
ND	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
MDL	The adjusted method detection limit.
LCS(D)	Laboratory Control Sample (Duplicate).
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

2087367 20-MAT-MANG

-OF-CUSTODY / Analytical Request Document

-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

2087367

Page: 1 of 2

1206406

Section A Required Client Information:

Company: Materials Management Group
Address: 3520 General DeGaulle #3010, N.O. LA 70114
Email To: Karlygibbs@mmgnola.com
Phone: 368-0568 Fax: 368-8403
Requested Due Date/TAT:

Required Project Information:

Report To: Karly Gibbs
Copy To:
Purchase Order No.: 3503ACE
Project Name: Limited PIIESA - Algiers Canal Sediment
Project Number: 3503ACE

Section C Invoice Information:

Attention: Mimi Lo
Company Name: MMG
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: LA

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): TPH-G	VOCs	TPH-D-O	Pesticides	PCBs	Herbicides	RCRA Metals	SVOCs				MS/MSD	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SD-3503ACE-01		G			10-14-08	10:37		6	X								X	X	X	X	X	X	X	X						20645515
2	SD-3503ACE-02		G			10-14-08	11:04		6	X								X	X	X	X	X	X	X	X						516
3	SD-3503ACE-03		G			10-14-08	11:17		6	X								X	X	X	X	X	X	X	X						517
4	SD-3503ACE-04		G			10-14-08	11:50		6	X								X	X	X	X	X	X	X	X						518
5	SD-3503ACE-05		G			10-14-08	12:02		6	X								X	X	X	X	X	X	X	X						519
6	SD-3503ACE-06		G			10-14-08	12:36		6	X								X	X	X	X	X	X	X	X						520
7	SD-3503ACE-07		G			10-14-08	12:54		6	X								X	X	X	X	X	X	X	X						521
8	SD-3503ACE-08		G			10-14-08	13:10		6	X								X	X	X	X	X	X	X	X						522
9	SD-3503ACE-09		G			10-14-08	13:30		6	X								X	X	X	X	X	X	X	X						523
10	SD-3503ACE-10		G			10-14-08	13:43		18	X								X	X	X	X	X	X	X	X			X			524
11	SD-3503ACE-03a		G			10-14-08	11:17		6	X								X	X	X	X	X	X	X	X						525
12	W-3503ACE-RB-07-10-14-08					10-14-08	12:59		17			X						X	X	X	X	X	X	X	X						526

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Wendell Thompson	10/14/08	1720	Cindy Dominguez	10/15/08	1720	2.3 2.4	Y	N	Y

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wendell J. Thompson Jr.

SIGNATURE of SAMPLER: Wendell Thompson

DATE Signed (MM/DD/YY): 10-14-08

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

2087367 20-MAT.MANG

AIN-OF-CUSTODY / Analytical Request Document

hain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

2087367

Page: 2 of 2

1206407

Section A Required Client Information:

Company: Materials Management Group
Address: 3500 General De Gaulle #3010, N.O. LA 70114
Email To: karly.gibbs@mmgnola.com
Phone: 368-0568 Fax: 368-8403
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Karly Gibbs
Copy To:
Purchase Order No.: 3503 ACE
Project Name: Limited PIIESA-Algiers Canal Sediment
Project Number: 3503 ACE

Section C Invoice Information:

Attention: Mimi Lo
Company Name: MMG
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: LA

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE (M-D-Y)	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): TPH-G	VOCs	TPH-D-O	Pesticides	PCBs	Herbicides	RCRA Metals	SVOCs	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	W-3503ACE-TB-10-14-08					10-14-08	14:30		2				X					X	X								26645529
2	W-3503ACE-FB-10-14-08					10-14-08	14:35		3				X					X	X								530
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	[signature]	10/15/08	17:20	Cindy Olsen/Pace	10/15/08	1720

SAMPLE CONDITIONS

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
2.3 2.4	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wendell J. Thompson Jr.

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10-14-08

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

20873367 20-MAT.MANG

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample Condition Upon Receipt

Project # [illegible]

Courier: ☐ Pace Courier ☐ Hackbarth ☐ Fed X ☐ UPS ☐ DHL ☐ USPS ☑ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC]

Custody Seals Intact: ☐Yes ☑No

Therometer Used: ☑ Therm Fisher IR 1 ☐ Therm Fisher IR 2

Type of Ice: (Wet) Blue None

Samples on Ice: [see COC]

Cooler Temperature: [see COC]

Temp should be above freezing to 6°C

Date and initials of person examining contents: 10-16-08

Temp must be measured from Temperature blank when present

				Comments:
Temperature Blank Present"?	☐Yes	☑No	☐N/A	1
Chain of Custody Present:	☑Yes	☐No	☐N/A	2
Chain of Custody Complete:	☑Yes	☐No	☐N/A	3
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	4
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	5
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	6
Sufficient Volume:	☑Yes	☐No	☐N/A	7
Correct Containers Used:	☑Yes	☐No	☐N/A	8
Filtered vol. Rec. for Diss. tests	☐Yes	☐No	☑N/A	9
Sample Labels match COC:	☑Yes	☐No	☐N/A	10
All containers received within manafacture's precautionary and/or expiration dates.	☑Yes	☐No	☐N/A	11
All containers needing preservation have been checked (except VOA, coliform, & O&G).	☐Yes	☐No	☑N/A	12
All containers preservation checked found to be in compliance with EPA recommendation.	☐Yes	☐No	☑N/A	13 — If No, was preserative added? ☐Yes ☐No If added record lot no.: HNO3 _____ H2SO4 _____
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	14
Trip Blank Present:	☑Yes	☐No	☐N/A	16
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A	17
Pace Trip Blank Lot # (if purchased): N/A				18

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Appendix C: Field Logs

Location _____ Date _____

Project / Client _____

Location Algiers Canal Date 12-15-08

Project / Client Sediment Additional Sampling

3505 ACE

08:00 (MMG) Materials Management Group arrives at MMG warehouse.
(R.P.) Randy Pamilia, Tech
(W.T.) Wendell Thompson, Geologist

08:07 Cloudy - PCloudy, 72°F, calm wind, humid

08:12 MMG Equipment
FORD F-350 — Truck
22' ProLine — Boat
Sony — Camera
Garmin — GPS
QRAE — LEL/O2
Mini RAE — PID

08:37 (WHE) Walker Hill Environmental arrives at MMG warehouse.
(J.N.) Jerad Neal, Driller
(J.T.) James Thornhill, Driller
(B.B.) Bo Barnes, Foreman

08:42 MMG & WHE depart for Canal.

Location Algiers Canal Date 12.15.08

Project / Client Sediment Additional Sampling

3505 ACE

8:59 MMG & WHE arrive on site at the Jefferson Parish section of the Algiers Canal.

9:00 W. Thompson conducts the tailgate safety meeting for all MMG & WHE personal.

9:08 WHE Equipment

FORD-F-350 — Truck

Party Barge Pontoon - Boat

Wilco Sampler - Sampler

9:12 Methods:

WHE will anchor the party barge pontoon boat over the instructed sample location.

The wilco sampler will be placed thru a hole on the deck of the boat.

Sampling pipe will be added to the wilco sampler until the sampler touches the

Location Algiers Canal Date 12.15.08

Project / Client Sediment Additional Sampling

~~3505 ACE~~ 3505 ACE

canal bed.

WHE will use a post hole hammer to pound the wilco sampler into the canal bed until the desered depth is reached, and 1' futher to allow for compaction, 4' total.

The wilco sampler will be removed from the ground and excess water will be poured off.

The material will be placed into a clean bucket, mixed, and sampled.

W.T. will provide all photos, PID readings, and field notes.

R.P. will collect all material and place it in the required sample jars.

Location Algiers Canal Date 12-15-08

Project / Client Sediment Additional Sampling

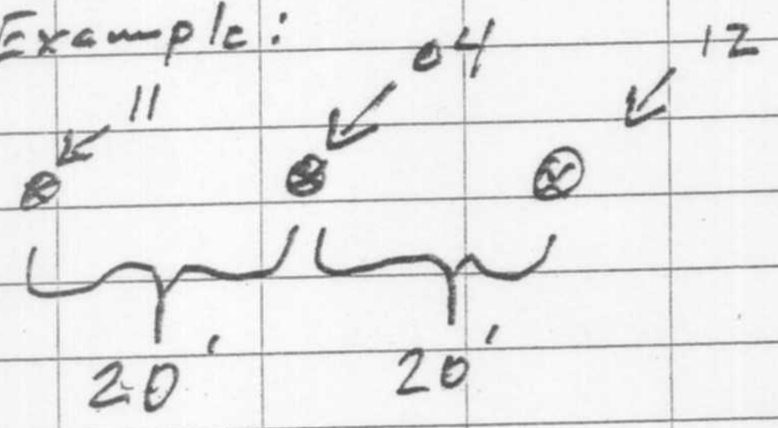
3505ACE

The samples will be placed on ice and stored until shipping.

9:18 Sample locations will be chosen at the discretion of W. T.

Unless noted all additional sample locations will be placed 20' east and 20' west of the original sample location.

Example:



09:23 WHE & MMG depart from the boat dock, and sampling procedures begin at sample location 11.

Location Algiers Canal Date 12-15-08

Project / Client Sediment Additional Sampling

~~3505ALE~~ 3505ALE

09:43 SD-3505ACE-11
N 29° 52' 18.5"
W 90° 00' 34.4"
1-4oz Glass TPH-D, O&G
Sandy, Dark Grey, Coarse, Well Sorted, No Odor, No Inclusions
Water Depth = 1.5'

09:56 SD-3505ACE-12
N 29° 52' 18.7"
W 90° 00' 34.4"
1-4oz Glass TPH-D, O&G
Same material as 11
Water Depth = 1.5'
PID = 0.0

10:45 SD-3505ACE-13 MS/MSD
N 29° 50' 57.6"
W 90° 01' 28.5"
1-4oz Glass TPH D, O&G
Same material as 11
Water Depth = 9.5'
PID = 0.0

Location Algiers Canal Date 12·15·08

Project / Client Sediment Additional Sampling

3505ACE

10:50 SD-3505ACE-14
N 29° 50' 57.3"
W 90° 01' 28.2"
1 4oz Glass TPH-D, O&G
Same material as 13.
Water Depth = 10.5'
PID = 0.0

11:00 SD-3505ACE-15
SD-3505ACE-15a SPLIT
N 29° 50' 18.2"
W 90° 02' 28.8"
2 4oz Glasses TPH-D, O&G
Dark Grey Sandy Clay, Fine Sand, Sorted, No Inclusions, No Odor.
Water Depth = 12.5'
PID = 0.0

11:05 SD-3505ACE-16
N 29° 50' 17.8"
W 90° 03' 12.4"
1 4oz Glass TPH-D, O&G

Location Algiers Canal Date 12·15·08

Project / Client Sediment Additional Sampling

3505ACE

Same material as 15
Water Depth = 13.5'
PID = 0.0

11:30 SD-3505ACE-17
N 29 49 47.9
W 90 03 12.4
1 4oz Glass TPH-D, O&G
Grey Sandy Clay, Fine Sand, Sorted, No Inclusions, No Odor.
Water Depth 5.5'
PID = 0.0

11:35 SD-3505ACE-18
N 29 49 48.3
W 90 03 13.1
1 4oz Glass TPH-D, O&G
Same material as 17
Water Depth = 5.5'
PID = 0.0

11:40 W-3505ACE-RB-18-12-15-08
Rinse blank collected after

Location Algiers Canal Date 12·15·08

Project / Client Sediment Additional Sampling

3505 ACE

sample 18.

3 x 60 ml vials TPH-D

2 x 1 L glass Oil & Grease

12:05 SD-3505ACE-19

N 29 49 25.1

W 90 03 56.2

1 4oz Glass TPH-D, O&G

Dark grey sandy clay, muck, No Odor, No Inclusions No Veg.

Water Depth = 0.5'

PID = 0.0

12:15 SD-3505ACE-20

N 29 49 25.7

W 90 03 56.3

1 4oz Glass TPH-D, O&G

Same material as 19

Water Depth = 0.5'

PID = 0.0

12:27 MMG & WHE return to dock.

Location Algiers Canal Date 12·15·08

Project / Client Sediment Additional Sampling

3505 ACE

12:45 All samples are placed in (one) cooler and iced. Chain of custody is filled out by W. Thompson and checked by R. Pumilia.

Chain # 271689

Chain # 271690

W.T. will seal cooler and deliver to FedEx for overnight priority delivery to SPL labs, in Scott, LA.

13:26 With all field work completed MMG & WHE depart the site.

13:27 There were no waste materials derived during sampling proceedures. Any additional material was placed in the canal at it's location.

[illegible]

3505 ACE - GPS 12-15-08

B11	29°	52'	18.5"	N
	90°	00'	34.4"	W
B12	29	52	18.7"	N
	90	00	34.4"	W
B13	29	50	57.6	N
	90	01	28.5	W
B14	29	50	57.3	N
	90	01	28.2	W
B15	~~29~~	~~50~~	~~57.1~~	N
	29	50	18.2	
	~~90~~	~~01~~	~~28.3~~	W
	90	02	28.8	
B16	29	50	17.8	N
	90	02	28.6	W
B17	29	49	47.9	N
	90	03	12.4	W
B18	29	49	48.3	N
	90	03	13.1	W
B19	29	49	25.1	N
	90	03	56.2	W
~~B20~~				
B20	29	49	25.7	N
	90	03	56.3	W

Sample Locations

Sample Point	Latitude	Longitude	Comments
01	29°53'40.17"N	89°59'45.25"W	By pumping station south of Forest Park Lane
02	29°53'3.70"N	90° 0'2.86"W	By pumping station at east bank
03	29°52'57.68"N	90° 0'8.89"W	By Pumping station at Bypass Rd
04	29°52'17.60"N	90° 0'32.87"W	Underneath the Hwy 23 Bridge
05	29°51'45.55"N	90° 0'52.33"W	Near industrial complex, 0.7 mile south of Hwy 23 Bridge (Point 04)
06	29°51'9.64"N	90° 1'111.18"W	By Plaquemine Pumping Station
07	29°50'56.39"N	90° 1'36.41"W	2.0 mile south of Hwy 23 Bridge (Point 04)
08	29°50'17.52"N	90° 2'29.70"W	3.1 mile south of Hwy 23 Bridge (Point 04)
09	29°49'49.78"N	90° 3'11.29"W	4.0 mile south of Hwy 23 Bridge (Point 04)
10	29°49'25.99"N	90° 3'51.33"W	Intersection with Hero Cutoff

Expid. Turnaround
RECAP Report

Figure 2: Sample Location Map

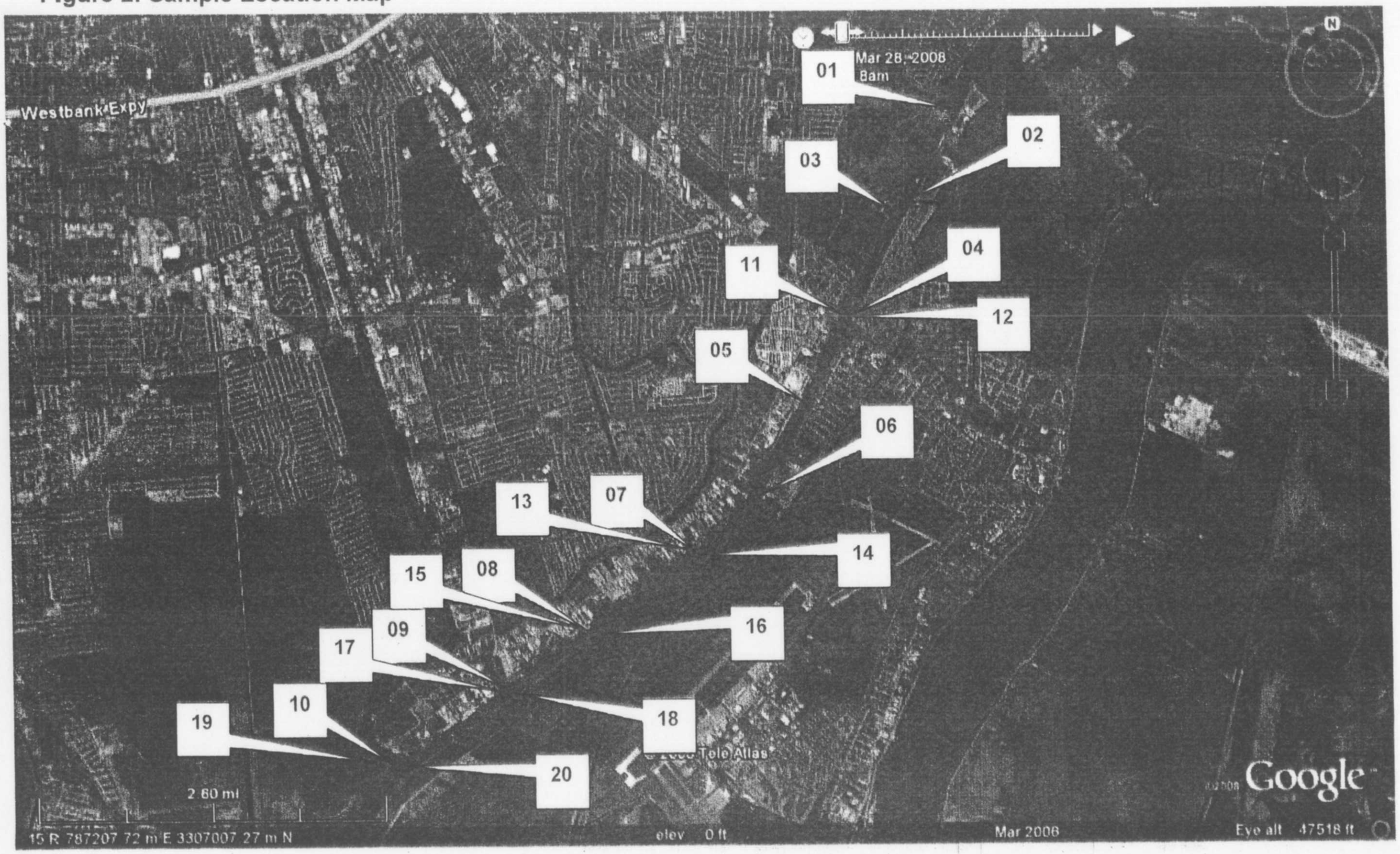
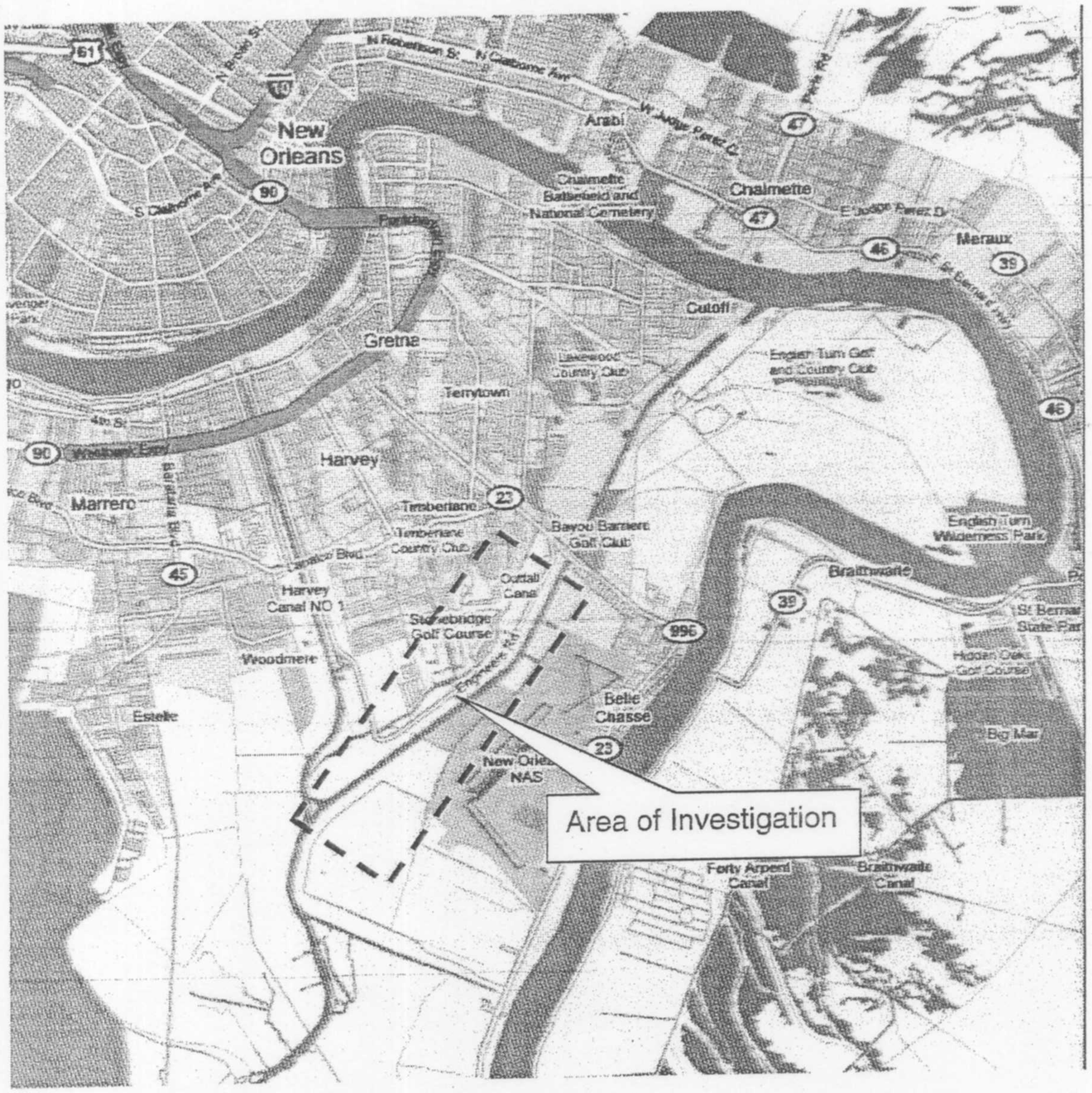


Figure 1: Site Location Map

Algiers Canal Proposed Dredge Area
Jefferson & Plaquemines Parishes, LA



A-E DAILY QUALITY CONTROL REPORT

DATE 12-15-08

DAY	S	M	T	W	TH	F	S
		(M)					

WEATHER					
	Bright Sun	Clear	Overcast	Rain	Snow
Temp	To 32	32-35	50-70	70-85	85 up
	Still	Moder	High	Report No.	
H	Dry	Moder	Humid		

COE PROJECT MANAGER Haekyung Kim
PROJECT Algiers Canal Sediment PIIESA – Add'l Sampling

JOB NO. 3505-ACE
CONTRACT NO W912P8-08-D-0029, Task Order 4 Mod

SUB-CONTRACTOR ON SITE

Walker Hill Environmental (WHE) Driller

EQUIPMENT ON SITE

Pontoon Boat, Sampling Boat

WORK PERFORMED (INCLUDING SAMPLING):

Drill & Sample 10 locations

SHEET 1 OF 2

(Continuation Sheet)

PROJECT P11 ESA Algiers Canal REPORT NO.

JOB NO 3505 ACE DATE 12-15-78

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS)

Q Rae II

mini RAE

HEALTH AND SAFETY LEVELS AND ACTIVITIES

Level D with Litevest

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

SPECIAL NOTES

TOMORROW'S EXPECTATIONS:

SHEET 2 OF 2

BY Wendell Thompson TITLE Geologist

Table 1: Sample Table

Sample Name	Date	Required Analysis (Method)	Containers*	Holding Time/Preservation*	Comments
SD-3503ACE-01	10-14-08 10:37	TPH-G, VOCs TPH-D&O, SVOCs, PCBs, pests, herbs RCRA metals	4 Encores (3 VOCs, 1 TPH-G) 1 X 8 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	
SD-3503ACE-02	10-14-08 11:04	TPH-G, VOCs TPH-D&O, SVOCs, PCBs, pests, herbs RCRA metals	4 Encores (3 VOCs, 1 TPH-G) 1 X 8 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	
SD-3503ACE-03	11:17 10-14-08	TPH-G, VOCs TPH-D&O, SVOCs, PCBs, pests, herbs RCRA metals	4 Encores (3 VOCs, 1 TPH-G) 1 X 8 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	
SD-3503ACE-03a	11:17 10-14-08	TPH-G, VOCs TPH-D&O, SVOCs, PCBs, pests, herbs RCRA metals	4 Encores (3 VOCs, 1 TPH-G) 1 X 8 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	Split
SD-3503ACE-04	11:50 10-14-08	TPH-G, VOCs TPH-D&O, SVOCs, PCBs, pests, herbs RCRA metals	4 Encores (3 VOCs, 1 TPH-G) 1 X 8 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	
SD-3503ACE-05	10-14-08 12:02	TPH-G, VOCs TPH-D&O, SVOCs, PCBs, pests, herbs RCRA metals	4 Encores (3 VOCs, 1 TPH-G) 1 X 8 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	
SD-3503ACE-06	10-14-08 12:36	TPH-G, VOCs TPH-D&O, SVOCs, PCBs, pests, herbs RCRA metals	4 Encores (3 VOCs, 1 TPH-G) 1 X 8 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	
SD-3503ACE-07	10-14-08 12:54	TPH-G, VOCs TPH-D&O, SVOCs, PCBs, pests, herbs RCRA metals	4 Encores (3 VOCs, 1 TPH-G) 1 X 8 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	RB
SD-3503ACE-08	10-14-08 13:10	TPH-G, VOCs TPH-D&O, SVOCs, PCBs, pests, herbs RCRA metals	4 Encores (3 VOCs, 1 TPH-G) 1 X 8 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	
SD-3503ACE-09	10-14-08 13:30	TPH-G, VOCs TPH-D&O, SVOCs, PCBs, pests, herbs RCRA metals	4 Encores (3 VOCs, 1 TPH-G) 1 X 8 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	
SD-3503ACE-010 MS/MSD		TPH-G, VOCs TPH-D&O, SVOCs, PCBs, pests, herbs RCRA metals	4 Encores (3 VOCs, 1 TPH-G) 1 X 8 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	MS/MSD

Sample Name	Date	Required Analysis (Method)	Containers*	Holding Time/Preservation*	Comments
W-3503ACE-RB-07-date	10-14-08 12:59	TPH-G, VOCs	4 X 40 ml vials	14 days/HCl & Cool to 4°C	
		TPH-D&O	~~3 X 60 ml vials~~ 3 x 1 l	7 days/Cool to 4°C	
		~~SVOC~~s, PCBs , Pesticides	~~1 X 1 L amber~~ 3 x 500 ml	7 days/Cool to 4°C	
		~~Pesticides~~, Herbicides	~~1 X 1 L amber~~ 3 x 500 ml	7 days/Cool to 4°C	
		RCRA metals	1 X 500 ml plastic	180 days/HNO_3 & Cool to 4°C	
W-3503ACE -TB-date	10-14-08 14:30	TPH-G, VOCs	4 X 40 ml vials	14 d/ HCl & Cool to 4°C	
W-3503ACE -TB-date		TPH-G, VOCs	4 X 40 ml vials	14 d/ HCl & Cool to 4°C	
W-3503ACE -FB-date	10-14-08 14:35	TPH-G, VOCs	4 X 40 ml vials	14 d/ HCl & Cool to 4°C	
W-3503ACE -FB-date		TPH-G, VOCs	4 X 40 ml vials	14 d/ HCl & Cool to 4°C	

*** One extra 4 oz jar will be supplied for each sample location in the event that the sediment samples are very watery – in this case, the 4 oz jar will replace the 4 Encores (TPH-G and VOCs will be analyzed from the 4 oz jar).**

SVOC

3x 1l amber

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www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1206406

Section A
Required Client Information:

Company: Materials Management Group
Address: 3520 General DeGaulle #3010, N.O. LA 70114
Email To: karlygibbs@mmgnola.com
Phone: 368-0568 Fax: 368-8403
Requested Due Date/TAT:

Section B
Required Project Information:

Report To: Karly Gibbs
Copy To:
Purchase Order No.: 3503ACE
Project Name: Limited PIIESA - Algiers Canal Sediment
Project Number: 3503ACE

Section C
Invoice Information:

Attention: Mimi Lo
Company Name: MMG
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: LA

Section D
Required Client Information

Matrix Codes
MATRIX / CODE
Drinking Water DW
Water WT
Waste Water WW
Product P
Soil/Solid SL
Oil OL
Wipe WP
Air AR
Tissue TS
Other OT

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): TPH-G	VOCs	TPH-D-O	Pesticides	PCBs	Herbicides	RCRA Metals	SVOCs				MS/MSD	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SD-3503ACE-01		G			10-14-08	10:37		6	X								X	X	X	X	X	X	X	X						
2	SD-3503ACE-02		G			10-14-08	11:04		6	X								X	X	X	X	X	X	X	X						
3	SD-3503ACE-03		G			10-14-08	11:17		6	X								X	X	X	X	X	X	X	X						
4	SD-3503ACE-04		G			10-14-08	11:50		6	X								X	X	X	X	X	X	X	X						
5	SD-3503ACE-05		G			10-14-08	12:02		6	X								X	X	X	X	X	X	X	X						
6	SD-3503ACE-06		G			10-14-08	12:36		6	X								X	X	X	X	X	X	X	X						
7	SD-3503ACE-07		G			10-14-08	12:54		6	X								X	X	X	X	X	X	X	X						
8	SD-3503ACE-08		G			10-14-08	13:10		6	X								X	X	X	X	X	X	X	X						
9	SD-3503ACE-09		G			10-14-08	13:30		6	X								X	X	X	X	X	X	X	X						
10	SD-3503ACE-10		G			10-14-08	13:43		18	X								X	X	X	X	X	X	X	X				X		
11	SD-3503ACE-03a		G			10-14-08	11:17		6	X								X	X	X	X	X	X	X	X						
12	W-3503ACE-RB-07-10-14-08					10-14-08	12:59		17			X						X	X	X	X	X	X	X	X						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	Wendell Thompson	10/14/08	1720	Cindy Dawson/Pace	10/15/08	1720

SAMPLE CONDITIONS: Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Wendell T. Thompson Jr.
SIGNATURE of SAMPLER: Wendell Thompson
DATE Signed (MM/DD/YY): 10-14-08

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 2

1206407

Section A Required Client Information:

Company: Materials Management Group
Address: 3500 General De Gaulle #3010, N.O. LA 70114
Email To: karly.gibbs@mmgnola.com
Phone: 368-0565 Fax: 365-8403
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Karly Gibbs
Copy To:
Purchase Order No.: 3503 ACE
Project Name: Limited PIIESA-Algiers Canal Sediment
Project Number: 3503 ACE

Section C Invoice Information:

Attention: Mimi Lo
Company Name: MMG
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: LA

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): TPH-G	VOCs	TPH-D-O	Pesticides	PCBs	Herbicides	RCRA Metals	SVOCs	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	W-3503ACE-TB-10-14-08					10-14-08	14:30		2				X					X	X								
2	W-3503ACE-FB-10-14-08					10-14-08	14:35		3				X					X	X								
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	[signature]	10/15/08	17:20	Cindy Hanson / Pace	10/15/08	1720	

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wendell J. Thompson Jr.
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10-14-08

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

CONTAINER REQUEST FORM

ONE-TIME WEEKLY MONTHLY SEMI-ANNUALLY ANNUALLY

Ship to: MMG 305-8626

Attention: Wendall

Phone #: 368-0568

E-mail

Mark on CO: 10 WD 5 WD Other:

Submitted by/date: 10/8 CINDY

Completed by/date: 10-8-08

Deliver Date 10/16 ANYTIME

Project/Quote #: ALGIERS CANAL DREDGING

VIA: FedEX

QTY	SETS	CONTAINER TYPE	PRESERVATIVE	LOT NUMBER	MATRIX	ANALYSIS
3	3	40 mL VOA Vial Glass	**HCL**		W	**8260**
3	3	40 mL VOA Vial Glass	**HCL**		W	**TPH-GAS**
		40 mL VOA Vial Glass **-6 PER SAMPLE**	HCL/None/Amber		W	Low Con/ 25 mL purge
		40 mL VOA Vial Glass	NA Thiosulfate		W	
		40 mL VOA Vial Glass	MeOH		S	
52		EnCore - **3 per sample** ~~(need field T-handle)~~	None		S	5035 / 8260 VOA
		EnCore - **1 per sample** (need field T-handle)	None		S	5035 /8015 METHANOL
		EnCore - **MS/MSD = 2 BTEX 2 TPH-Gas**	None		S	
2	3	**500 mL Amber Glass w/m**	None		W	**PEST/PCBs**
2	3	**500 mL Amber Glass w/m**	None		W	**HERBS**
2	3	1L Amber Glass w/m	None		W	**8270**
2	3	1L Amber Glass w/m	None		W	**TPH-D/O**
		1L Amber Glass w/m	None		W	
1	13	4 oz. Clear S/S Glass	None		S	**RCRA 8 METALS**
		4 oz. Clear S/S Glass	None		S	
1	13	8 oz. Clear S/S Glass	None		S	**SV, PEST/PCBs,HERBS, TPH-D/O**
		4 oz. Clear S/S Glass	None		S	
		32 oz. Clear Boston Round Glass	**HCL**		S	
		32 oz. Clear S/S Glass	None		S	
		32 oz. Clear S/S Glass	None		S	**RETURN COPY OF BOTTLE**
		4 oz. Clear S/S Glass	None		S	**ORDER WITH SAMPLES**
		Coliform Bottles (Sterile)	Na Thiosulfate		W	
		1L WM Plastic	None		W	**LABEL BOTTLES**
		64 oz wide-mouth Plastic	None		W	
		500 mL WM Plastic	None		W	
		BOD BOTTLE	None		W	
		250 mL WM Plastic	None		W	
		250 mL WM Plastic	NaOH pH > 12		W	Cyanide
		250 mL WM Plastic	ZnAc-NaOH pH > 9		W	Sulfide
1	3	500 mL WM Plastic	**NITRIC**		W	**RCRA 8 METALS**
		250 mL WM Plastic	**NITRIC**		W	
		125 mL WM Plastic	**H2SO4**		W	
		40 mL Amber Glass Vial	H2SO4		W	
		20 mL crimp vials (need crimp tool)	HCL-separate vial		W	Methane, Ethane, Ethene
		Terra Core Kits 2 sets	as packaged		S	8260 8021 (BTEX) 8015-GRO

Trip Blank Required: Yes / No (#_____/ set) * _____ sets = _____

Ice Packs Required: Yes / No

Extra Coolers Required: Yes / No

Vol. Org. Free H_2O Required: Yes / No _____

Temp. Blank Required: Yes / No _____

Extra COCs Requested: Yes / No _____

s:\sales\smplmgmt\cont-req.xls

Special Instructions/Comments: _____

Appendix D: Photographs

3503ACE

Photograph #1
Field Blanks and QRAE II LEL / O2 monitor set out for each day of sampling. Camera facing west

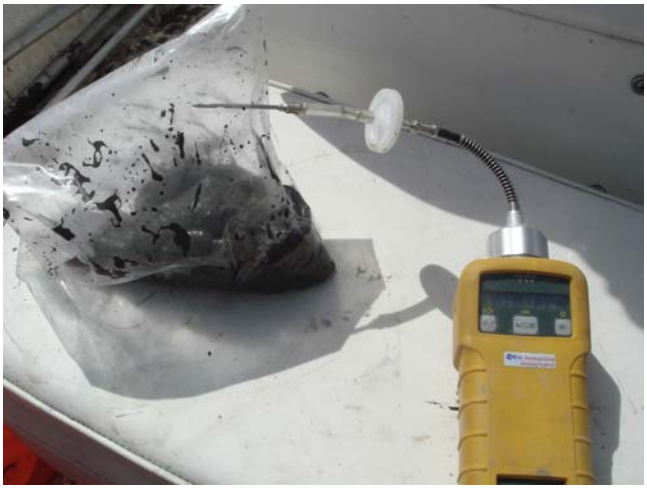
Photograph #2
Sediment sampler being prepared for sample collection. Camera facing west

Photograph #3
Materials Management Group sample technicians collect sample at 01. Camera facing east

Photograph #4
Sample material and core catcher at 01. Camera facing north

Photograph #5
MMG geologist collecting sample at 03.
Camera facing northeast

Photograph #6
Sample from 04.
Camera facing west



Photograph #7
Field PID reading at 08 using a Qrae MiniRae 2000.
Camera facing east

Photograph #8
Shipyard near 08.
Camera facing east

3503ACE

Photograph #9
Shipyard near 08.
Camera facing north

Photograph #10
Sample material at 09
Camera facing east

Photograph #11
MMG cleaning sample tools between sample collection.
Camera facing east

Photograph #12
Sample material from 10.
Camera facing north

Appendix E: Final Safety Report

Tailgate Safety Meeting

Date: 12-15-08 Time: 9:00 File #: 3505 ACE

Site Location: Algiers Canal Jefferson - Plaquemines

Type of Work: Sediment Sampling

Site Manager: Wendell Thompson Site Phone: 715-7849

Safety Topics:

- [x] Emergency Shut-Off
- [x] Exclusion Zone
- [x] Smoking Area
- [x] Proper Excavation Attire (no loose clothing, no jewelry, tight leather gloves)
- [ ] Weekly Topic:

Hazards:

- [x] Slips/Trips/Falls
- [x] Lifting
- [ ] Shearing Metal
- [ ] Heavy Equipment
- [ ] Thermal Stress
- [ ] Acoustical
- [ ] Rotating Equipment
- [ ] Fire/Explosion/Hot Work*
- [x] Biological
- [x] Severe Weather
- [x] Crushing or Pinching
- [ ] Excavation*
- [ ] Electrical
- [ ] Radiological
- [ ] Confined Space*

- [x] Chemical Exposure
  - [ ] From site:
  - [ ] From work procedures:
- [x] Absorption
- [x] Inhalation
- [x] Ingestion
- [x] MSDS located in field files
- [ ] Other:

PPE: Level [ ] A [ ] B [ ] C [x] D

- [ ] Full Face
- [ ] Hepa
- [ ] Cascade Air
- [ ] 1/2 Face
- [ ] Organic
- [ ] SCBA
- [ ] Combination:
- [ ] Air Pump
- [x] Steel Toe
- [x] Ear Plugs
- [x] Surgical Gloves
- [ ] Tyvek
- [ ] Rubber Steel Toe
- [ ] Hard Hat
- [ ] Nitrile
- [ ] Saranex
- [ ] Leather Gloves
- [ ] Cotton Dot
- [x] Face Shield/Goggles/Glasses
- [ ] PVC Gloves
- [x] Other: Lifevest

Monitoring:

- [x] OVM/OVA [x] LEL/O2
- [ ] Personnel
- [ ] Other:
- [ ] Draeger:
- [ ] Area

Emergency Facility: [x] Map Attached

Name: LSU Medical Center Phone:

Address: 2021 Perdido

* Permit Required

Attendees Signature required on other side of this form

Meeting Conducted By: Wendell Thompson

C:\My Documents\Forms\Drilling Forms\Drilling Tailgate.blnk.doc

Plan of the Day:

Drill & Sample

Printed Name	Signature
Wendell Thompson	[illegible]
Jerad Neal	[illegible]
James Thornhill	[illegible]
Bo Barnes	[illegible]
Randy Parilia	[illegible]

EMERGENCY TELEPHONE NUMBERS:

Job #: 3509-ALE

Location: Jefferson LA

Date: 12-15-08

Supervisor's Initials: M.S.

SAFETY INSPECTION FORM

SPA-MMG Joint Venture, LLC	
SUBJECT: INSTRUCTIONS, PROCEDURES & DRAWINGS: HEALTH & SAFETY	**Page:** 1 of 1 **Document:** qa/qm/oper/h&s/sftyrep

PROJECT NUMBER: 3505-ACE DATE: 12-15-08

CUSTOMER: USACE TIME FROM: 9:08 TO: 14:00

JOB LOCATION: Algiers Canal, Jefferson & Plaquemines Parishes, Louisiana

SUPERVISOR: Wendell Thompson FOREMAN/LEADMAN:

GENERAL JOB DESCRIPTION: Limited PIIESA – Additional Sampling

EMPLOYEES:

Wendell Thompson	(MMG) Geologist
Randy Pumilia	(MMG) Sample Tech
James Thornhill	(WHE) Driller
Bo Barnes	(WHE) Driller
Jerad Neal	(WHE) Driller

SAFETY CONDITIONS:

WEATHER: P Cloudy, 65-70°F, 5MPH NW, Humid

MONITORING & SAMPLING (attach results)

2E4oz PID

INSTRUMENTATION USED:

MiniRae 2 QRae

LEVEL OF PROTECTION (special conditions)

D with Life vest

PROBLEMS/UNUSUAL SITUATIONS

CORRESPONDENCE

SIGNATURE: [signature]
(Project Supervisor/Foreman/Leadman)

SIGNATURE:
(HSO Dept.)

Tailgate Safety Meeting

Date: 10-14-2008 Time: 10:05 File #: 3503ACE

Site Location: Algiers Canal, New Orleans LA, - Harvey LA

Type of Work: Sediment Sampling,

Site Manager: Wendell Thompson Site Phone: 504-715-7849

Safety Topics:

☒ **Emergency Shut-Off** ☐ **Exclusion Zone** ☐ **Smoking Area**

☐ Proper Excavation Attire (no loose clothing, no jewelry, tight leather gloves)

☐ Weekly Topic: _____

Hazards:

☒ Slips/Trips/Falls	☐ Thermal Stress	☒ Biological	☐ Electrical
☒ Lifting	☐ Acoustical	☐ Severe Weather	☐ Radiological
☐ Shearing Metal	☐ Rotating Equipment	☒ Crushing or Pinching	
☐ Heavy Equipment	☐ Fire/Explosion/Hot Work*	☐ Excavation*	☐ Confined Space*

☒ Chemical Exposure

☒ From site: VOC's, TPH-G, Metals, TPH-D-O, PCB's, Pesticides, and Herbicides

☐ From work procedures: _____

☒ Absorption ☒ Inhalation ☒ Ingestion ☒ MSDS located in field files

☐ Other: _____

PPE: Level ☐ A ☐ B ☐ C ☒ D

☐ Full Face	☐ 1/2 Face	
☐ Hepa	☐ Organic	☐ Combination: _____
☐ Cascade Air	☐ SCBA	☐ Air Pump
☒ Steel Toe	☐ Rubber Steel Toe	☐ Leather Gloves ☐ Cotton Dot
☐ Ear Plugs	☐ Hard Hat	☒ Face Shield/Goggles/Glasses
☒ Surgical Gloves	☐ Nitrile	☐ PVC Gloves
☐ Tyvek	☐ Saranex	☐ Other : _____

Monitoring:

☐ OVM/OVA ☒ LEL/O2 ☐ Draeger : _____

☐ Personnel ☐ Area

☐ Other: _____

Emergency Facility: ☒ Map Attached

Name: University Hospital Phone: 504-903-3000

Address: 2021 Perdido St. New Orleans LA 70112

Attendees Signature required on other side of this form

* Permit Required

Meeting Conducted By: Wendell Thompson

C:\My Documents\Forms\Drilling Forms\Drilling Tailgate.blnk.doc

Plan of the Day:

Sample sediment in the Algiers Canal.

10 sample locations

1 MS/MSD sample

1 split sample

1 reagent blank

Printed Name	Signature
Wendell Thompson	Wendell Thompson
Randall Pomilia	Ra Pl.

EMERGENCY TELEPHONE NUMBERS:
All Emergencies 911
University Hospital 504-903-3000
New Orleans Fire Dept 504-581-3473
New Orleans Police Dept 504-658-6050

Job #: 3503ACE

Location: Algiers Canal, N.O. LA

Date: 10-14-08

Supervisor's Initials: WT

SAFETY INSPECTION FORM

SPA-MMG Joint Venture, LLC	
SUBJECT: INSTRUCTIONS, PROCEDURES & DRAWINGS: HEALTH & SAFETY	**Page:** 1 of 1 **Document:** qa/qm/oper/h&s/sftyrep

PROJECT NUMBER: 3503-ACE DATE: 10-14-2008

CUSTOMER: USACE TIME FROM: 09:00 TO: 18:00

JOB LOCATION: Algiers Canal, New Orleans LA – Harvey LA

SUPERVISOR: Wendell Thompson FOREMAN/LEADMAN:

GENERAL JOB DESCRIPTION: Limited Phase II Environmental Site Assessment

EMPLOYEES:

Wendell Thompson	MMG Geologist
Randy Pumilia	MMG Sample Tech

SAFETY CONDITIONS:

WEATHER: P-Cloudy, 75° 85° F, E Wind 10mph, Dry

MONITORING & SAMPLING (attach results)

INSTRUMENTATION USED:
Mini Rae 2000 (Field PID) QRAE II (LEL/O2

LEVEL OF PROTECTION (special conditions)
D with Life Vest

PROBLEMS/UNUSUAL SITUATIONS

CORRESPONDENCE

SIGNATURE: [signature]
(Project Supervisor/Foreman/Leadman)

SIGNATURE:
(HSO Dept.)