March 25, 2009

FINAL PIIESA REPORT
LIMITED PIIESA – PERMANENT PUMPING STATIONS
17TH STREET, LONDON AVENUE, ORLEANS AVENUE
OUTFALL CANALS
ORLEANS PARISH, 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 #0007

By:

SPA-MMG Joint Venture, LLC.

SPA Strategic Planning Associates

MMG

Materials Management Group, Inc.

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 March 25, 2009	TRANSMITTAL NO. TO 007-007

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 ☒ THIS IS A RESUBMITTAL OF TRANSMITTAL 1

SPECIFICATION SECTION; (Cover only one section with each transmittal)	PROJECT TITLE AND LOCATION
	Task Order 007 – Limited PIIESA, Permanent Pumping Stations, Orleans Parish, 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		FOR CONTRACTOR USE CODE g.	VARIATION *(See instruction no. 6)* h.	FOR CE USE CODE i
				SPEC. PARA. NO. e.	DRAWING SHEET NO. f.			
1	Task Order No. 7 Final PIIESA Report		2 + 2 cds			3507-DD-ACE-NOL-007		

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
		March 25, 2009

Comments on:
SPA-MMG
Work Plan Submittals for
CTO Number: w912P8-08-D-0029
Task Order #0007

Phase II Environmental Site Assessment
Permanent Pumping Stations 17th Street, London Avenue, Orleans Avenue Outfall Canals
Orleans Parish, 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	5.1		Please add in TCLP summary	C	Section 5.1, last paragraph: summary of TCLP results added.	
2. Kim	Pg 1	1.0	Suggest to delete 'LiStreet'	C	Error corrected – text reads "distribution list."	
3. Kim	Pg 7	1 st	Suggest to add proper space between B2 of 17th Street Canal and London Ave Canal	C	Spacing adjusted.	
4. Kim	Figure 2-4		Suggest to increase the size of the figures	C	Figures 2-4 have been enlarged.	

Phase II Environmental Site Assessment Report

for

Permanent Pumping Stations – Outfall Canals
Orleans Parish, LA

Approval Page

SPA-MMG Joint Venture, LLC.
C. Paul Lo, Project Manager

SPA-MMG Joint Venture, LLC.
Karly Gibbs, Risk Assessor

SPA-MMG Joint Venture, LLC.
Wendell Thompson, Geologist

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Contracting Officer

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Project Manager

USACE – MVN
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Table of Contents

Appendices
Appendix A: Sampling Logs
Appendix B: Final Analytical Report
Appendix C: Field Logs
Appendix D: Photographs
Appendix E: Final Safety Report

Executive Summary

Background

This report addresses the findings of the limited Phase II Environmental Site Assessment (PIIESA) conducted at the proposed locations for three permanent pumping stations in Orleans Parish, Louisiana. The USACE intends to construct permanent pumping stations in three canals on the southern shore of Lake Pontchartrain for flood protection. The pumping stations will replace temporary structures currently in place at the 17th Street Canal, London Avenue Canal, and Orleans Avenue Canal. Construction of the pumping stations will involve dredging of the sediment in the canals. The PIIESA was conducted to provide baseline chemical data to aid in decisions about management of the dredged material as well as for protection of future site workers that may be exposed to the sediment during construction activities. Strategic Planning Associates – Materials Management Group Joint Venture, LLC. (SPA-MMG) conducted the limited PIIESA of the sites under USACE IQRC Contract W912P8-08-D-0029, Task Order 7. The Phase II ESA was performed in accordance with all relevant regulations and guidance.

Findings

The analytical results from the limited Phase II ESA are summarized in Tables 1 and 2, and the analytical reports are included in Appendix B. Briefly, the results indicated that very few of the COCs were detected in the samples. TPH-D and TPH-O were detected at low-levels in the samples from the 17th Street Canal and the London Avenue Canal. A few PAHs were detected; these included benz(a)anthracene (17th Street), benzo(a)pyrene (17th Street), benzo(b)fluoranthene (17th Street and London Avenue), benzo(k)fluoranthene (17th Street and Orleans Avenue), chrysene (17th Street), indeno(1,2,3-cd)pyrene (London Avenue), n-nitrosodi-n-propylamine (London Avenue), phenanthrene (17th Street), and pyrene (17th Street). One VOC, carbon disulfide, was detected; this was in the 17th Street Canal. One pesticide, 4,4'-DDT, was detected; this was in the London Avenue Canal. In addition, arsenic, barium, chromium, and lead were detected in all of the canals. TPH-G, herbicides, and PCBs were not detected in any of the samples.

The TCLP results indicated that only barium and lead were detected. These concentrations were well below the TCLP threshold for hazardous waste (the sediment would be considered non-hazardous).

None of the detected concentrations exceeded the RECAP screening standards. The standards considered for comparison of the data were the more stringent of soil screening non-industrial exposure and soil screening protective of groundwater. It should be noted that one of the samples from the London Avenue Canal exhibited matrix interference during VOC analysis, resulting in sample dilution at the laboratory and elevated reporting limits for seven VOCs. The sample was initially run at low-level dilution (1x), however, matrix

interference caused recoveries for the surrogate and internal standards to fail. Based on the other analytical results, it is unlikely that any of the seven VOC COCs with elevated reporting limits are present at unacceptable concentrations.

Recommendations

The sediment analytical results indicate that there is no concern with future management (or reuse) of the dredge material or with construction worker exposure to the sediment during construction of the permanent pumping stations in the investigated locations.

1.0 Introduction

Under Indefinite Quantity Requirements Contract (IQRC) W912P8-08-D-0029 Task Order 7, 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 three proposed locations for permanent pumping stations in Orleans Parish, Louisiana. The proposed pumping stations will replace temporary structures in the 17th Street Canal, London Avenue Canal, and Orleans Avenue Canal. Construction activities will involve dredging of sediment; it is necessary to provide baseline chemical data to aid in decisions about management of the dredged material as well as for protection of future site workers that may be exposed to the sediment during construction activities. The USACE granted Notice to Proceed with the limited PIIESA on February 18, 2009. 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 provide baseline chemical data to aid in decisions about management of the dredged material as well as for protection of future site workers that may be exposed to the sediment during construction activities. The scope of work included sediment sampling and analysis from two locations in each of the three canals (six total sample locations).

The purpose of this report is to summarize the field activities of the limited Phase II ESA, discuss the findings of the investigation, 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.

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 the PIIESA; all activities were carried out as indicated in the work plans.

1.4 Limiting Conditions and Methodology Used

Under the requirements of Task Order 7, the site assessment was performed in accordance with work plans. The investigation was 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 was conducted to provide baseline chemical data for the sediment in the three outfall canals at the locations for the pumping stations.

Since specific contaminants were not identified and the concern was related to general industrial activity, groups of COCs were analyzed 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. In addition, one composite sample from each canal was analyzed for toxicity characteristic leaching procedure (TCLP) for potential waste characterization purposes.

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 areas under investigation are part of three outfall canals in Orleans Parish; these are the 17th Street Canal, London Avenue Canal, and Orleans Avenue Canal. The canals are connected to Lake Pontchartrain. The areas around the canals are all well developed with primarily residential properties. 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 sites are located within the city of New Orleans, Louisiana. New Orleans is located on the east bank of the Mississippi River between Metairie, LA and Slidell, LA. New Orleans is a city of Orleans Parish, Louisiana. The sites are located at the Lake Pontchartrain outfalls to the 17th Street Canal, London Avenue Canal, and the Orleans Avenue Canal.

Physical Setting
The Soil Survey of Orleans Parish LA provided by the U.S. Department of Agriculture Soil Conservation Service (1989) describes these soils as (AT) Aquents, dredged, and frequently flooded.

AT: Aquents are poorly drained, permeable, firm to very fluid, mucky, clayey, loamy soils. They are hydraulically deposited fill material dredged from nearby swamps. Slope is less than one percent. In places the soils contain small to large quantities of oyster and clamshells.

2.3 Site History and Land Use

The subject areas are canals used for drainage to and from Lake Pontchartrain.

3.0 Phase II Activities

SPA-MMG conducted the limited Phase II ESA on February 26, 2009. The scope of work and field and analytical methods are described in the following sections.

3.1 Scope of Assessment

The scope of work under the limited Phase II ESA included sediment sampling from six total sample locations (two locations in each of the three canals) 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). In addition, one composite sample from each canal was analyzed for toxicity

characteristic leaching procedure (TCLP) for potential waste characterization purposes.

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 Sampling and Analysis Plan (SAP) 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. The rationale for the sampling activities is as follows.

The purpose of the limited Phase II ESA was to provide baseline chemical data to aid in decisions about management of the dredged material as well as for protection of future site workers that may be exposed to the sediment during construction activities. The USACE Task Order specified the number of samples and the locations. The sample locations were chosen to represent the specific areas of the proposed pumping stations; see Figures 2, 3, and 4 for the actual locations. Therefore, six samples were collected from the sediment to a depth of six feet below the surface in the subject areas. Since the concern for contamination was based on potential industrial/marine activity and navigation (from Lake Pontchartrain) in the area, the contaminants of concern included TPH-G, TPH-D, TPH-O, VOCs, SVOCs, PCBs, pesticides, herbicides, and RCRA metals. TCLP analysis was also included on composite samples from each canal in the event that disposal of the dredge material was necessary.

3.1.3 Deviations from the Work Plan

There were no deviations from the SAP 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 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 six locations: two sample locations in each canal. The sampling efforts were conducted on February 26, 2009. SPA-MMG used the direct push technology of Geoprobe drill rig mounted on a pontoon to obtain the 0-6 foot sample interval.

The sample locations (indicated on Figures 2 (17th Street), 3 (London Avenue), and 4 (Orleans Avenue)) were chosen based on the specific locations of the pumping stations in each canal. Lithology is described in Section 4.1. One interval (0-6 feet) was collected from each boring for analysis. In addition, sediment from each of the two borings at each canal was composited for TCLP analysis; three total composite samples were prepared and sent for the waste characterization analysis.

One split sample was collected; this was at sample location B1 in the 17th Street Canal. Matrix spike/matrix spike duplicate (MS/MSD) analysis was requested on the sample from Orleans Avenue location B1. One rinsate blank was collected following collection of the sample from London Avenue location B2. A field blank was collected while sampling was conducted. A trip blank was included in the cooler containing the volatile samples. The samples from the six borings were analyzed for TPH-G, TPH-D, TPH-O, VOCs, SVOCs, PCBs, pesticides, herbicides, and RCRA metals. In addition, the composite samples from each canal (three total) were analyzed for TCLP. All samples were packaged in a cooler (according to SPA-MMG's standard operating procedures). The samples were sent to Southern Petroleum Laboratories (SPL) in Scott, Louisiana. The analytical results are presented in Tables 1 and 2, and are discussed briefly in Section 4.0. The final analytical report is included in Appendix B.

3.3 Sampling and Chemical Analyses and Methods

The SAP addresses the laboratory procedures and analyses that were performed in more detail. This section lists the specific EPA SW-846 (or other) analytical methods used during 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
- TCLP – 1311

4.0 Evaluation and Presentation of Results

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

4.1 Subsurface Conditions

The following sections describe the lithology as observed from sample inspection at the six sample locations.

4.1.1 Geologic Setting

The geology of the sites is consistent with the deposition of near surface sedimentary deposits associated with fluvial depositional processes (Mississippi River Alluvium). These deposits typically consist of poorly drained, permeable, clayey, loamy soils. Underlying rock formations include Quaternary and Tertiary sedimentary deposits.

4.1.2 Hydrogeologic Conditions

Regional groundwater movement in New Orleans, LA is to the southeaStreet New Orleans, LA is located within the Mississippi River alluvial valley. Groundwater movement is controlled by the Mississippi River. The Aquifer Recharge Potential Map #16 (1988) of the New Orleans Quadrangle provided by the Louisiana Geological Survey describes this area as a non-recharge site. The site is part of the Alluvial aquifer system. The sites do not recharge major Louisiana freshwater aquifers.

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 (for baseline chemical data) under the limited Phase II ESA are summarized in Table 1. The analytical results from the waste characterization sampling are summarized in Table 2.

The analytical results (COCs detected) from the sediment sampling are briefly summarized below for each sample location at each canal. The actual concentrations detected at each location are listed on Table 1. Overall, there were few COCs detected, and COCs were detected in each of the canals (although TPH-D and TPH-O were not detected in the Orleans Avenue Canal). The detected COCs included TPH-D, TPH-O, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, n-nitrosodi-n-propylamine, phenanthrene, pyrene, carbon disulfide, 4,4'-DDT, and metals (arsenic, barium, chromium, and lead). No contaminants were detected above the limiting RECAP screening standard(s).

17th Street Canal

B1: The COCs detected at B1 were TPH-D, TPH-O, benzo(k)fluoranthene, arsenic, barium, chromium, and lead. The split sample was collected at this location; the COCs detected in the split sample were TPH-D, TPH-O, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, phenanthrene, pyrene, carbon disulfide, arsenic, barium, chromium, and lead.

B2: The COCs detected at B2 were barium, chromium, and lead.

London Avenue Canal
B1: The COCs detected at B1 were TPH-D, TPH-O, benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene, n-nitrosodi-n-propylamine,4,4'-DDT, barium, chromium, and lead.

B2: The COCs detected at B2 were arsenic, barium, chromium, and lead.

Orleans Avenue Canal
B1: The COCs detected at B1 were benzo(k)fluoranthene, arsenic, barium, chromium, and lead.

B2: The COCs detected at B2 were benzo(k)fluoranthene, arsenic, barium, chromium, and lead.

The waste characterization composite sample results are summarized in Table 2. Briefly, only barium and lead were detected in the samples. Barium was detected in all three of the samples, and lead was detected only in the sample from Orleans Avenue Canal. The concentrations were below the TCLP threshold and are considered non-hazardous.

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 Table 1. The TCLP threshold levels are included on Table 2.

5.0 Discussion of Findings and Conclusions

This limited Phase II ESA was conducted in accordance with the approved work plans (SAP and H&S Plan) 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 provide baseline chemical data to aid in decisions about management of the dredged material as well as for protection of future site workers that may be exposed to the sediment during construction activities. Specific recognized environmental conditions were not identified in scope development for the Phase II ESA.

The scope of work under the limited Phase II ESA included sediment sampling and analysis from six locations, two in each outfall canal. The results of the limited Phase II ESA indicate the following. Recommendations based on the findings are included in Section 6.0.

Very few of the COCs were detected in the samples. TPH-D and TPH-O were detected at low-levels in the 17th Street Canal and the London Avenue Canal. A few PAHs were detected; these included benz(a)anthracene (17th Street), benzo(a)pyrene (17th Street), benzo(b)fluoranthene (17th Street and London Avenue), benzo(k)fluoranthene (17th Street and Orleans Avenue), chrysene (17th Street), indeno(1,2,3-cd)pyrene (London Avenue), n-nitrosodi-n-propylamine (London Avenue), phenanthrene (17th Street), and pyrene (17th Street). One VOC, carbon disulfide, was detected; this was in the 17th Street Canal. One pesticide, 4,4'-DDT, was detected; this was in the London Avenue Canal. In addition, arsenic, barium, chromium, and lead were detected in all of the canals. TPH-G, herbicides, and PCBs were not detected in any 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 TCLP results indicated that only barium and lead were detected. These concentrations were well below the TCLP threshold for hazardous waste (the sediment would be considered non-hazardous).

5.2 Affected Media

The analytical results from the limited Phase II ESA indicate that a few of the COCs (TPH-D, TPH-O, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene, n-nitrosodi-n-propylamine, phenanthrene, pyrene, carbon disulfide, 4,4'-DDT, and metals (arsenic, barium, chromium, and lead)) were detected at the site. The detected concentrations are very low.

The concentrations detected in each sample are indicated in Table 1. 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 table.

None of the detected concentrations exceeded the RECAP screening standards. The standards considered for comparison of the data were the more stringent of soil screening non-industrial exposure and soil screening protective of groundwater. It should be noted that one of the samples from the London Avenue Canal exhibited matrix interference during VOC analysis, resulting in sample dilution at the laboratory and elevated reporting limits for seven VOCs. The sample was initially run at low-level dilution (1x), however, matrix

interference caused recoveries for the surrogate and internal standards to fail. Based on the other analytical results, it is unlikely that any of the seven VOC COCs with elevated reporting limits are present at unacceptable concentrations.

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 SPL (see Appendix B), matrix interference was observed in association with some of the samples; these samples reported recoveries outside of QC acceptance criteria for spiking compounds and surrogates. This occurred primarily with VOCs, SVOCs, metals, and some pesticides and herbicides. The matrix interference associated with VOCs in sample B1 from the London Avenue Canal resulted in sample dilution to 50x. The sample was run twice at low-level (1x) dilution, but failing recoveries for the surrogate and internal standards were managed using sample dilution resulting elevated reporting limits. In general, the samples were within the acceptance criteria.

COCs were not detected in any of the blanks, including method blanks, trip blank, field blank, and rinsate blank.

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 no unacceptable contamination at any of the proposed permanent pumping station locations. SPA-MMG's recommendations are discussed in Section 6.0.

6.0 Recommendations

Based on evaluation of the data, there is no concern with future management (or reuse) of the dredge material or with construction worker exposure to the sediment during construction of the permanent pumping stations in the investigated locations.

Tables

Table 1: Summary of Sediment Samples – Outfall Canals

Parameter	RECAP Screening Standard[1] (mg/kg)	Sample Result (mg/kg)						
		SD-3507ACE-17ST-B1	SD-3507ACE-17ST-B1a	SD-3507ACE-17ST-B2	SD-3507ACE-LON-B1	SD-3507ACE-LON-B2	SD-3507ACE-ORL-B1	SD-3507ACE-ORL-B2
TPH-G	*65*	<7.4	<7.4	<6.6	<5.2	<5.3	<6.4	<4.6
TPH-D	*65*	14	27	<3.3	41	<3.3	<3.3	<3.3
TPH-O	180	7.7	29	<3.3	51	<3.3	<3.3	<3.3
1,1-Biphenyl	*190*	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,2,4,5-Tetrachlorobenzene	1.2	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
1,2,4-Trichlorobenzene	*14*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
1,3-Dinitrobenzene	*0.25*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
2,3,4,6-Tetrachlorophenol	*31*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
2,4,5-Trichlorophenol	*320*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
2,4,6-Trichlorophenol	*1.3*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
2,4-Dichlorophenol	*12*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
2,4-Dimethylphenol	*20*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
2,4-Dinitrophenol	*1.7*	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66
2,4-Dinitrotoluene	*1.0*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
2,6-Dinitrotoluene	*0.39*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
2-Chloronaphthalene	*500*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
2-Chlorophenol	*1.4*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
2-Methylnaphthalene	*1.7*	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
2-Nitroaniline	*1.7*	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
3,3-Dichlorobenzidine	0.97	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
3-Nitroaniline	*1.7*	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
4-Chloroaniline	*1.5*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
4-Nitroaniline	*1.7*	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
4-Nitrophenol	*2.6*	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66

Parameter	RECAP Screening Standard[1] (mg/kg)	Sample Result (mg/kg)						
		SD-3507ACE-17ST-B1	SD-3507ACE-17ST-B1a	SD-3507ACE-17ST-B2	SD-3507ACE-LON-B1	SD-3507ACE-LON-B2	SD-3507ACE-ORL-B1	SD-3507ACE-ORL-B2
Acenaphthene	*220*	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Acenaphthylene	*88*	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Aniline	*0.065*	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Anthracene	*120*	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Benz(a)anthracene	0.62	<0.033	0.053	<0.033	<0.033	<0.033	<0.033	<0.033
Benzo(a)pyrene	0.33	<0.033	0.041	<0.033	<0.033	<0.033	<0.033	<0.033
Benzo(b)fluoranthene	0.62	<0.033	0.049	<0.033	0.06	<0.033	<0.033	<0.033
Benzo(k)fluoranthene	6.2	0.082	0.094	<0.033	<0.033	<0.033	0.082	0.083
Bis(2-chloroethyl)ether	*0.33*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Bis(2-chloroisopropyl)ether	*0.8*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Bis(2-ethylhexyl)phthalate	35	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Butyl benzyl phthalate	*220*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Chrysene	62	<0.033	0.053	<0.033	<0.033	<0.033	<0.033	<0.033
Dibenz(a,h)anthracene	0.33	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Dibenzofuran	*24*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Diethyl phthalate	*360*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Dimethyl phthalate	*1500*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Di-n-octyl phthalate	240	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Fluoranthene	220	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Fluorene	*230*	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Hexachlorobenzene	0.34	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Hexachlorobutadiene	0.82	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Hexachlorocyclopentadiene	1.4	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Indeno(1,2,3-cd)pyrene	0.62	<0.033	<0.033	<0.033	0.05	<0.033	<0.033	<0.033
Isophorone	*0.56*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Naphthalene	*1.5*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17

Parameter	RECAP Screening Standard[1] (mg/kg)	Sample Result (mg/kg)						
		SD-3507ACE-17ST-B1	SD-3507ACE-17ST-B1a	SD-3507ACE-17ST-B2	SD-3507ACE-LON-B1	SD-3507ACE-LON-B2	SD-3507ACE-ORL-B1	SD-3507ACE-ORL-B2
Nitrobenzene	*0.33*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
N-Nitrosodi-n-propylamine	*0.33*	<0.17	<0.17	<0.17	0.34	<0.17	<0.17	<0.17
N-Nitrosodiphenylamine	*2.1*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Pentachlorophenol	*1.7*	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66
Phenanthrene	*660*	<0.033	0.041	<0.033	<0.033	<0.033	<0.033	<0.033
Phenol	*11*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Pyrene	230	<0.033	0.08	<0.033	<0.033	<0.033	<0.033	<0.033
1,1,1,2-Tetrachloroethane	*0.046*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
1,1,1-Trichloroethane	*4.0*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
1,1,2,2-Tetrachloroethane	*0.006*	<0.0025	<0.0025	<0.0028	**<0.026**	<0.0023	<0.0032	<0.002
1,1,2-Trichloroethane	*0.058*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
1,1-Dichloroethane	*7.5*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
1,1-Dichloroethene	*0.085*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
1,2-Dibromo-3-chloropropane	*0.01*	<0.0038	<0.0038	<0.0042	**<0.1**	<0.0034	<0.0048	<0.0029
1,2-Dichlorobenzene	*29*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
1,2-Dichloroethane	*0.035*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
1,2-Dichloropropane	*0.042*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
1,3-Dichlorobenzene	*2.1*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
1,4-Dichlorobenzene	*5.7*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
2-Butanone	*5.0*	<0.025	<0.025	<0.028	<0.26	<0.023	<0.032	<0.02
4-Methyl-2-pentanone	*6.4*	<0.012	<0.012	<0.014	<0.26	<0.011	<0.016	<0.0098
Acetone	*1.5*	<0.12	<0.12	<0.14	<0.52	<0.11	<0.16	<0.098
Benzene	*0.051*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
Bromodichloromethane	*0.92*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
Bromoform	*1.8*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
Bromomethane	*0.04*	<0.012	<0.012	<0.014	**<0.052**	<0.011	<0.016	<0.0098

Parameter	RECAP Screening Standard[1] (mg/kg)	Sample Result (mg/kg)						
		SD-3507ACE-17ST-B1	SD-3507ACE-17ST-B1a	SD-3507ACE-17ST-B2	SD-3507ACE-LON-B1	SD-3507ACE-LON-B2	SD-3507ACE-ORL-B1	SD-3507ACE-ORL-B2
Carbon disulfide	*11*	<0.0062	0.0064	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
Carbon tetrachloride	*0.11*	<0.0062	<0.0062	<0.0069	<0.1	<0.0057	<0.0081	<0.0049
Chlorobenzene	*3.0*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
Chloroethane	*0.035*	<0.0062	<0.0062	<0.0069	**<0.26**	<0.0057	<0.0081	<0.0049
Chloroform	0.044	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
Chloromethane	*0.1*	<0.012	<0.012	<0.014	<0.026	<0.011	<0.016	<0.0098
Dibromochloromethane	*1.0*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
Ethylbenzene	*19*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
Hexachloroethane	*2.2*	<0.0062	<0.0062	<0.0069	<0.052	<0.0057	<0.0081	<0.0049
Isobutyl alcohol	*30*	<0.12	<0.12	<0.14	<0.26	<0.11	<0.16	<0.098
Methyl tert-butyl ether	*0.077*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
Methylene chloride	*0.017*	<0.012	<0.012	<0.014	**<0.26**	<0.011	<0.016	<0.0098
Styrene	*11*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
Tetrachloroethene	*0.18*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
Toluene	*20*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
Trichloroethene	*0.073*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
Trichlorofluoromethane	*37*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
Vinyl chloride	*0.013*	<0.0062	<0.0062	<0.0069	**<0.026**	<0.0057	<0.0081	<0.0049
cis-1,3-Dichloropropene	NS	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
trans-1,3-Dichloropropene	NS	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
cis-1,2-Dichloroethene	*0.49*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
trans-1,2-Dichloroethene	*0.77*	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
m,p-Xylene	NS	<0.0062	<0.0062	<0.0069	<0.052	<0.0057	<0.0081	<0.0049
o-Xylene	NS	<0.0062	<0.0062	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
1,3-Dichloropropene, total	*0.04*	<0.0062	<0.0062	<0.0069	**<0.052**	<0.0057	<0.0081	<0.0049
1,2-Dichloroethene, total	NS	<0.0062	<0.0062	<0.0069	<0.052	<0.0057	<0.0081	<0.0049

Parameter	RECAP Screening Standard[1] (mg/kg)	Sample Result (mg/kg)						
		SD-3507ACE-17ST-B1	SD-3507ACE-17ST-B1a	SD-3507ACE-17ST-B2	SD-3507ACE-LON-B1	SD-3507ACE-LON-B2	SD-3507ACE-ORL-B1	SD-3507ACE-ORL-B2
Xylene(s), total	18	<0.0062	<0.00625	<0.0069	<0.026	<0.0057	<0.0081	<0.0049
4,4'-DDD	*1.5*	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
4,4'-DDE	1.7	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
4,4'-DDT	1.7	<0.0017	<0.0017	<0.0017	0.012	<0.0017	<0.0017	<0.0017
Aldrin	0.028	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
alpha-BHC	*0.0064*	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
beta-BHC	*0.016*	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Chlordane	1.6	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067
Dieldrin	0.03	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Endosulfan I	34	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Endosulfan II	34	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Endrin	1.8	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
gamma-BHC (Lindane)	*0.033*	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Heptachlor	0.016	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Heptachlor epoxide	0.053	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Methoxychlor	30	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Toxaphene	0.44	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
PCB-1016	0.11	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
PCB-1221	0.11	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
PCB-1232	0.11	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
PCB-1242	0.11	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
PCB-1248	0.11	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
PCB-1254	0.11	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
PCB-1260	0.11	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
2,4,5-T	NS	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
2,4,5-TP	NS	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033

Parameter	RECAP Screening Standard[1] (mg/kg)	Sample Result (mg/kg)						
		SD-3507ACE-17ST-B1	SD-3507ACE-17ST-B1a	SD-3507ACE-17ST-B2	SD-3507ACE-LON-B1	SD-3507ACE-LON-B2	SD-3507ACE-ORL-B1	SD-3507ACE-ORL-B2
2,4-D	NS	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
2,4-DB	NS	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Dicamba	NS	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Dichloroprop	NS	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
Dinoseb	*0.14*	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
MCPA	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MCPP	NS	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Arsenic	12	3.08	2.98	<2.0	<2.0	3.9	2.7	2.26
Barium	550	67.1	71.2	46.5	29.5	57	26.9	12.9
Cadmium	3.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chromium	23	7.33	7.18	3.41	3.8	9.75	5.07	2.02
Lead	*100*	41	46.1	2.26	4.46	10.2	22.9	2.39
Mercury	2.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Selenium	*20*	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Silver	3.9	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

1. RECAP standard is the more conservative of soil screening non-industrial exposure (SSni) and soil screening protective of groundwater (SSgw). For parameters with the SSgw as the limiting standard, the value is indicated in *italics*.

Table 2: Summary of Sediment Waste Characterization Samples

Parameter	TCLP Threshold	Sample Result (mg/l)		
		SD-3507ACE-17ST-WASTE	SD-3507ACE-LON-WASTE	SD-3507ACE-ORL-WASTE
Arsenic	5.0	<0.2	<0.2	<0.2
Barium	100	0.855	0.316	0.323
Cadmium	1.0	<0.1	<0.1	<0.1
Chromium	5.0	<0.1	<0.1	<0.1
Lead	5.0	<0.2	<0.2	1.07
Mercury	0.2	<0.02	<0.02	<0.02
Selenium	1.0	<0.2	<0.2	<0.2
Silver	5.0	<0.1	<0.1	<0.1
2,4,5-TP	1.0	<0.001	<0.001	<0.001
2,4-D	10	<0.01	<0.01	<0.01
Chlordane	0.03	<0.002	<0.002	<0.002
Endrin	0.02	<0.0005	<0.0005	<0.0005
gamma-BHC	0.4	<0.0005	<0.0005	<0.0005
Heptachlor	0.008	<0.0005	<0.0005	<0.0005
Heptachlor epoxide	0.008	<0.0005	<0.0005	<0.0005
Methoxychlor	10	<0.0005	<0.0005	<0.0005
Toxaphene	0.5	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	7.5	<0.05	<0.05	<0.05
2,4,5-Trichlorophenol	400	<0.05	<0.05	<0.05
2,4,6-Trichlorophenol	2.0	<0.05	<0.05	<0.05
2,4-Dinitrotoluene	0.13	<0.05	<0.05	<0.05
Hexachlorobenzene	0.13	<0.05	<0.05	<0.05
Hexachlorobutadiene	0.5	<0.05	<0.05	<0.05
Hexachloroethane	3.0	<0.05	<0.05	<0.05
Nitrobenzene	2.0	<0.05	<0.05	<0.05
Pentachlorophenol	100	<0.2	<0.2	<0.2
Pyridine	5.0	<0.05	<0.05	<0.05
m,p-Cresols	200	<0.05	<0.05	<0.05
o-Cresol	200	<0.05	<0.05	<0.05
1,1-Dichloroethene	0.7	<0.05	<0.05	<0.05
1,2-Dichloroethane	0.5	<0.05	<0.05	<0.05
2-Butanone	200	<0.1	<0.1	<0.1
Benzene	0.5	<0.05	<0.05	<0.05
Carbon tetrachloride	0.5	<0.05	<0.05	<0.05
Chlorobenzene	100	<0.05	<0.05	<0.05
Chloroform	6.0	<0.05	<0.05	<0.05
Tetrachloroethene	0.7	<0.05	<0.05	<0.05
Trichloroethene	0.5	<0.05	<0.05	<0.05
Vinyl chloride	0.2	<0.1	<0.1	<0.1

Table 3: Sample Location Geographic Coordinates

Sample Location	Latitude	Longitude
17th Street Canal		
B1	N 30°1'21.77"	W 90°7'16.3"
B2	N 30°1'21.78"	W 90°7'15.51"
London Avenue Canal		
B1	N 30°1'39.86"	W 90°4'27.02"
B2	N 30°1'40.35"	W 90°4'25.81"
Orleans Avenue Canal		
B1	N 30°1'38.68"	W 90°5'49.82"
B2	N 30°1'38.72"	W 90°5'49.03"

Table 4: Summary of PID Results

Sample Location	PID Result (ppm)
17th Street Canal	
B1-0-3	0
B1-3-6	0
B2-0-3	0
B2-3-6	0
London Avenue Canal	
B1-0-3	20.6
B1-3-6	21.8
B2-0-3	5.3
B2-3-6	0
Orleans Avenue Canal	
B1-0-3	0
B1-3-6	0
B2-0-3	0
B2-3-6	0

Figures

Figure 1: Site(s) Location Map

Outfall Canal Site(s)
New Orleans, LA

Figure 2: Sample Location Map – 17th Street Canal

17th Street Canal Site
New Orleans, LA

Figure 3: Sample Location Map – London Ave Canal

London Ave Canal Site
New Orleans, LA

Figure 4: Sample Location Map – Orleans Ave Canal

Orleans Ave Canal Site
New Orleans, LA

Appendices

Appendix A: Sampling Logs

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 7	Project: 3507-ACE Site: ~~Pumping Stations~~
Sample I.D.: SD-3507 ACE-1754-B1a	
Date (YYMMDD): 09-02-26	
Time (HHMMSS): 10:00	
Top Depth: Water 0 Soil 0	
Bottom Depth: 3.5 6	
Matrix:	
Sample Qualifier: ~~QA/QC~~/RB/CS	
Sample Type: Sediment	
Sampler: W. Thompson	
Witness: R. Pumilia	
Contractor:	
Remarks: Material: Same as B1	
Weather:	
Prepared by: W. Thompson	
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encore	5 gram	TPH-G VOC	4
		TPH-D, O SVOCs	1
Glass	8 oz	PCBs	
		Pest Herb	1
Glass	4 oz	RCRA Metals	1

Field Screening Results

PID	0-3	0.0
PID	3-6	0.0

SEDIMENT SAMPLE COLLECTION LOG

NW Same As Proposed

Delivery Order No W912P8-08-D-0029, TO 7	Project: 3507-ACE Site: ~~Pumping Stations~~
Sample I.D.: SD-3507ACE-17ST-B1	
Date (YYMMDD): 09-02-26	
Time (HHMMSS): 10:00	
Top Depth: Water 0 Soil 0	
Bottom Depth: 3.5 6	
Matrix:	
Sample Qualifier: QA/QC/RB/CS	
Sample Type: Sediment	
Sampler: W. Thompson	
Witness: R. Pumilia	
Contractor:	
Remarks: Material Sandy Clay, moist, dark grey, no odor, no inclusions, well sorted	
Weather:	
Prepared by: W. Thompson	
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encores	5 gram	TPH-G VOCs	4
		TPH-D, O & VOCs	1
Glass	8oz	PCBs	2
		Pest Herb	~~2~~ 1
Glass	4 oz	RCRA Metals	1

Field Screening Results

PID	0-3	0.0	
PID	3-6	0.0	

SEDIMENT SAMPLE COLLECTION LOG

N
W Same as Proposed

Delivery Order No W912P8-08-D-0029, TO 7	Project: 3507-ACE Site: ~~Pumping Stations~~
Sample I.D.: SD-3507ACE-17st-B2	
Date (YYMMDD): 09-02-26	
Time (HHMMSS): 10:30	
Top Depth: Water ~~0~~	Soil 0
Bottom Depth: 3.25	6
Matrix:	
Sample Qualifier: QA/QC/RB/~~CS~~	
Sample Type: Sediment	
Sampler: W. Thompson	
Witness: R. Pumilia	
Contractor:	
Remarks: Material Same as B1	
Weather:	
Prepared by: W. Thompson	
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encore	5 gram	TPH-G	3
		VOCs	1
		TPH-D,O	1
		SVOCs	
Glass	8oz	PCBs	1
		Pest Herb	
Glass	4oz	RCRA Metals	1

Field Screening Results

PID	0-3	0.0
PID	3-6	0.0

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 7	Project: 3507-ACE Site: ~~Pumping Stations~~
Sample I.D.: SD-3507ACE-1st-Waste	
Date (YYMMDD): 09 - 02 - 26	
Time (HHMMSS): 10:45	
Top Depth:	
Bottom Depth:	
Matrix:	
Sample Qualifier: QA/QC/RB/~~CS~~	
Sample Type: Sediment Waste	
Sampler: W. Thompson	
Witness: R. Pumilia	
Contractor:	
Remarks:	
Weather:	
Prepared by: W. Thompson	
Checked by:	

Analytical Request			
Container Type	Sample Volume	Parameter	No. of Cont.
Amber	1 L	Full TCLP	1

Field Screening Results		

MS/MSD

SEDIMENT SAMPLE COLLECTION LOG

N
W Same as Proposed

Delivery Order No W912P8-08-D-0029, TO 7	Project: 3507-ACE Site: ~~Pumping Stations~~
Sample I.D.:	SD - 3507ACE - ORL-R1
Date (YYMMDD):	09-02-26
Time (HHMMSS):	11:30
Top Depth:	Water: 0 / Soil: 0
Bottom Depth:	4 / 6
Matrix:	
Sample Qualifier:	QA/QC/RB/~~CS~~
Sample Type:	Sediment
Sampler:	W. Thompson
Witness:	R. Pumilia
Contractor:	
Remarks:	Material: Well Sorted Sand, moist, very dark grey, no odor, no inclusions, very well sorted
Weather:	
Prepared by:	W. Thompson
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encore	5 gram	TPH-G VOCs	3 3
		TPH-D, O SVOCs	3
Glass	8oz	PCBs Pest Herb	3
Glass	4oz	RCRA Metals	3

Field Screening Results

PID	0-3	0.0
PID	3-6	0.0

SEDIMENT SAMPLE COLLECTION LOG

N
W Same As Proposed

Delivery Order No W912P8-08-D-0029, TO 7	Project: 3507-ACE Site: ~~Pumping Stations~~
Sample I.D.: SD-3507ACE-ORL-B2	
Date (YYMMDD): 09-02-26	
Time (HHMMSS): 11:55	
Top Depth: Water 0 / Soil 0	
Bottom Depth: 4 / 6	
Matrix:	
Sample Qualifier: QA/QC/RB/~~CS~~	
Sample Type: Sediment	
Sampler: W. Thompson	
Witness: R. Pumilia	
Contractor:	
Remarks:	
Weather:	
Prepared by:	
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encore	5 gram	TPH-G	3
		VOCs	1
		TPH-D-O	1
		SVOCs	
Glass	8oz	PCBs	
		Pest Herb	1
Glass	4oz	RCRA Metals	1

Field Screening Results

PID	0-3	0.0
PID	3-6	0.0

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 7	Project: 3507-ACE Site: ~~Pumping Stations~~
Sample I.D.: SD-3507ACE-ORL-Waste	
Date (YYMMDD): 09-02-26	
Time (HHMMSS): 12:10	
Top Depth:	
Bottom Depth:	
Matrix:	
Sample Qualifier: QA/QC/RB/CS	
Sample Type: Sediment Waste	
Sampler: W. Thompson	
Witness: R. Punilia	
Contractor:	
Remarks:	
Weather:	
Prepared by: W. Thompson	
Checked by:	

Analytical Request			
Container Type	Sample Volume	Parameter	No. of Cont.
Amber	~~500ml~~ 500ml	Full TCLP	2

Field Screening Results		

SEDIMENT SAMPLE COLLECTION LOG

N
W
Same As Proposed

Delivery Order No W912P8-08-D-0029, TO 7	Project: 3507-ACE Site: ~~Pumping Stations~~
Sample I.D.: SD-3507ACE-LON-B1	
Date (YYMMDD): 09-02-26	
Time (HHMMSS): 12:55	
Top Depth: Water 0	Soil 0
Bottom Depth: 5.5	6
Matrix:	
Sample Qualifier: QA/QC/RB/~~CS~~	
Sample Type: Sediment	
Sampler: W. Thompson	
Witness: R. Pumilia	
Contractor:	
Remarks: Material Sandy Clay, moist, brownish grey, mild petroleum odor, no inclusions, well sorted	
Weather:	
Prepared by: W. Thompson	
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encore	5gram	TPH-G	3
		VOCs	1
		TPH-D,O	1
		SVOCs	
Glass	8oz	PCBs	1
		Pest Herb	
Glass	4oz	RCRA Metals	1

Field Screening Results

PID	0-3	20.6
PID	3-6	21.8

Water

~~SEDIMENT~~ SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 7	Project: 3507-ACE Site: ~~Pumping Stations~~
Sample I.D.: W-3507ACE-RB-LON-B2-2-26-09	
Date (YYMMDD): 09-02-26	
Time (HHMMSS): 12:20	
Top Depth:	
Bottom Depth:	
Matrix:	
Sample Qualifier: QA/QC/~~RB~~/CS (FB)	
Sample Type: Water	
Sampler: W. Thompson	
Witness: R. Punzalia	
Contractor:	
Remarks: Taken After LON B1 & Before LON B2	
Weather:	
Prepared by:	
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
~~Vials~~	40ml	TPH-G VOC	3
Vials	60ml	TPH-D,O	3
Amber	1L	5VOC	1
Amber	1L	PCB. Pest	1
Amber	1L	Herbicides	1
Plastic	500ml	RCRA Metals	1

Field Screening Results

SEDIMENT SAMPLE COLLECTION LOG

N
W Same As Proposed

Delivery Order No W912P8-08-D-0029, TO 7	Project: 3507-ACE Site: ~~Pumping Stations~~
Sample I.D.: SD-3507ACE-LON-B2	
Date (YYMMDD): 09-02-26	
Time (HHMMSS): 13:10	
Top Depth: Water 0 / Soil 0	
Bottom Depth: 5.5 / 6	
Matrix:	
Sample Qualifier: QA/QC/RB/(FS)	
Sample Type: Sediment	
Sampler: W. Thompson	
Witness: R. Pumilia	
Contractor:	
Remarks: Material: Same as LON-B1	
Weather:	
Prepared by: W. Thompson	
Checked by:	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encore	5 gram	TPH-G VOCs	3 1
		TPH-D, O SVOCs	1
Glass	8oz	PCBs	1
		Pest Herb	
Glass	4oz	RCRA Metals	1

Field Screening Results

PID	0-3	5.3
PID	3-6	0.0

SEDIMENT SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 7	Project: 3507-ACE Site: ~~Pumping Stations~~
Sample I.D.: SD-3507ACE-~~###~~ LON Waste	
Date (YYMMDD): 09-02-26	
Time (HHMMSS): 13620	
Top Depth:	
Bottom Depth:	
Matrix:	
Sample Qualifier: QA/QC/RB/CS	
Sample Type: ~~FD~~ Sediment Waste	
Sampler: W. Thompson	
Witness: R. Pumilia	
Contractor:	
Remarks:	
Weather:	
Prepared by: W. Thompson	
Checked by:	

Analytical Request			
Container Type	Sample Volume	Parameter	No. of Cont.
Amber	1 L	Full TCLP	1

Field Screening Results		

Appendix B: Final Analytical Report

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

Case Narrative for:

MATERIALS MANAGEMENT GROUP, INC.

Certificate of Analysis Number:

09021066

Report To:			
MATERIALS MANAGEMENT GROUP, INC. Karly Gibbs 3520 GENERAL DEGAULLE DR. SUITE 3010 NEW ORLEANS LA 70114- ph: (504) 368-0568 fax:	**Project Name:**	3507 ACE LIMITED PIIESA-PERMANEN
	Site:	17TH ST, ORLEANS, LONDON AVE CA
	Site Address:	
	PO Number:	3507ACE
	State:	Louisiana
	State Cert. No.:	02048
	Date Reported:	3/10/2009

NOTE: The Method 8151 soil analyses were sub-contracted to the SPL-Houston laboratory. The data as submitted by SPL-Houston is included in its entirety as an attachment to this report.

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.

EXCEPTIONS:
Volatile Organics-Method 8260B: Field sample SD-3507ACE-LON-B1 was analyzed twice at low level (1x) dilutions with failing surrogate and internal standard recoveries due to matrix interference. The sample was analyzed and reported at medium level (50x) dilution to achieve reportable results. Lab batch 022709A01-The recoveries of target analytes 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 4-Methyl-2-pentanone, Acetone, Chloroethane, Trichlorofluoromethane in the MS and/or MSD samples exceeded the laboratory control limits. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Total Metals-Method 6020: Lab batch 77767-The sample selected for use in SPL's quality control program had Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries that were outside of the advisable quality control limits for Barium and Lead due to possible matrix interference. Other samples of like matrix collected from this site also may be affected. A Post Digestion Spike (PDS) and Post Digestion Spike Duplicate (PDSD) was performed and all recoveries were within quality control limits. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Semivolatile Organics-Method 8270C: Lab batch 77937-The recoveries of target analytes 1,3-Dinitrobenzene, 2,6-Dinitrotoluene, Bix(2-chloroisopropyl)ether, and Fluoranthene in the LCSD sample exceeded the upper laboratory control limits. MS and MSD samples were analyzed and the recoveries of the affected analytes were within control limits. The recovery of target analyte Nitrobenzene in the MS sample exceeded the lower laboratory control limit.

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.

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

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:

09021066

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: **3507 ACE LIMITED PIIESA-PERMANEN**
Site: **17TH ST, ORLEANS, LONDON AVE CA**
Site Address:

PO Number: **3507ACE**
State: **Louisiana**
State Cert. No.: **02048**
Date Reported: **3/10/2009**

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
W-3507ACE-FB-2-26	09021066-01	Water	2/26/2009 1:50:00 PM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
W-3507ACE-TB-2-26	09021066-02	Water	2/26/2009 1:55:00 PM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
W-3507ACE-RB-LON-B2-2-26	09021066-03	Water	2/26/2009 12:20:00 PM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
SD-3507ACE-ORL-B2	09021066-04	Soil	2/26/2009 11:15:00 AM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
SD-3507ACE-ORL-B1	09021066-05	Soil	2/26/2009 11:30:00 AM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
SD-3507ACE-ORL-B1MS	09021066-05MS	Soil	2/26/2009 11:30:00 AM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
SD-3507ACE-ORL-B1MSD	09021066-05MSD	Soil	2/26/2009 11:30:00 AM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
SD-3507ACE-LON-B2	09021066-06	Soil	2/26/2009 1:10:00 PM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
SD-3507ACE-LON-B1	09021066-07	Soil	2/26/2009 12:55:00 PM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
SD-3507ACE-17ST-B2	09021066-08	Soil	2/26/2009 10:30:00 AM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
SD-3507ACE-17ST-B1	09021066-09	Soil	2/26/2009 10:00:00 AM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
SD-3507ACE-17ST-B1A	09021066-10	Soil	2/26/2009 10:00:00 AM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
SD-3507ACE-ORL-WASTE	09021066-11	Soil	2/26/2009 12:10:00 PM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
SD-3507ACE-LON-WASTE	09021066-12	Soil	2/26/2009 1:20:00 PM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
SD-3507ACE-17ST-WASTE	09021066-13	Soil	2/26/2009 10:45:00 AM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
SD-3507ACE-ORL-B2	09021066-14	Soil	2/26/2009 11:55:00 AM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
SD-3507ACE-ORL-B1	09021066-15	Soil	2/26/2009 11:30:00 AM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
SD-3507ACE-ORL-B1MS	09021066-15MS	Soil	2/26/2009 11:30:00 AM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
SD-3507ACE-ORL-B1MSD	09021066-15MSD	Soil	2/26/2009 11:30:00 AM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
SD-3507ACE-LON-B2	09021066-16	Soil	2/26/2009 1:10:00 PM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
SD-3507ACE-LON-B1	09021066-17	Soil	2/26/2009 12:55:00 PM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
SD-3507ACE-17ST-B2	09021066-18	Soil	2/26/2009 10:30:00 AM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
SD-3507ACE-17ST-B1	09021066-19	Soil	2/26/2009 10:00:00 AM	2/27/2009 10:00:00 AM	1603,281605,2816	☐
SD-3507ACE-17ST-B1A	09021066-20	Soil	2/26/2009 10:00:00 AM	2/27/2009 10:00:00 AM	1603,281605,2816	☐

3/10/2009

Amy K. Jackson
Project Manager

Date

Ron Benjamin
Laboratory Director

Tristan Davis
Quality Assurance Officer

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

Client Sample ID: W-3507ACE-FB-2-26 **Collected:** 02/26/2009 13:50 **SPL Sample ID:** 09021066-01

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/L**		
Gasoline Range Organics (C6-C10)	ND			0.1	0.15	1	03/01/09 3:06	JAP	2992755
Surr: 1,4-Difluorobenzene	99.3		%	69-137		1	03/01/09 3:06	JAP	2992755
Surr: 4-Bromofluorobenzene	99.7		%	81-119		1	03/01/09 3:06	JAP	2992755

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

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

Client Sample ID: W-3507ACE-FB-2-26 **Collected:** 02/26/2009 13:50 **SPL Sample ID:** 09021066-01

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS-RECAP METHOD 8260B				**MCL**	**SW8260B**	**Units: mg/L**		
1,1,1,2-Tetrachloroethane	ND		0.005	0.005	1	02/27/09 16:34	TDD	2992173
1,1,1-Trichloroethane	ND		0.005	0.2	1	02/27/09 16:34	TDD	2992173
1,1,2,2-Tetrachloroethane	ND		0.0005	0.0005	1	02/27/09 16:34	TDD	2992173
1,1,2-Trichloroethane	ND		0.005	0.005	1	02/27/09 16:34	TDD	2992173
1,1-Dichloroethane	ND		0.005	0.081	1	02/27/09 16:34	TDD	2992173
1,1-Dichloroethene	ND		0.005	0.007	1	02/27/09 16:34	TDD	2992173
1,2-Dibromo-3-chloropropane	ND		0.001	0.0002	1	02/27/09 16:34	TDD	2992173
1,2-Dichlorobenzene	ND		0.001	0.6	1	02/27/09 16:34	TDD	2992173
1,2-Dichloroethane	ND		0.005	0.005	1	02/27/09 16:34	TDD	2992173
1,2-Dichloropropane	ND		0.002	0.005	1	02/27/09 16:34	TDD	2992173
1,3-Dichlorobenzene	ND		0.001	0.01	1	02/27/09 16:34	TDD	2992173
1,4-Dichlorobenzene	ND		0.001	0.075	1	02/27/09 16:34	TDD	2992173
2-Butanone	ND		0.01	0.19	1	02/27/09 16:34	TDD	2992173
4-Methyl-2-pentanone	ND		0.01	0.2	1	02/27/09 16:34	TDD	2992173
Acetone	ND		0.05	0.1	1	02/27/09 16:34	TDD	2992173
Benzene	ND		0.005	0.005	1	02/27/09 16:34	TDD	2992173
Bromodichloromethane	ND		0.005	0.1	1	02/27/09 16:34	TDD	2992173
Bromoform	ND		0.005	0.1	1	02/27/09 16:34	TDD	2992173
Bromomethane	ND		0.01	0.01	1	02/27/09 16:34	TDD	2992173
Carbon disulfide	ND		0.005	0.1	1	02/27/09 16:34	TDD	2992173
Carbon tetrachloride	ND		0.005	0.005	1	02/27/09 16:34	TDD	2992173
Chlorobenzene	ND		0.005	0.1	1	02/27/09 16:34	TDD	2992173
Chloroethane	ND		0.005	0.01	1	02/27/09 16:34	TDD	2992173
Chloroform	ND		0.005	0.1	1	02/27/09 16:34	TDD	2992173
Chloromethane	ND		0.005	0.01	1	02/27/09 16:34	TDD	2992173
Dibromochloromethane	ND		0.005	0.1	1	02/27/09 16:34	TDD	2992173
Ethylbenzene	ND		0.005	0.7	1	02/27/09 16:34	TDD	2992173
Hexachloroethane	ND		0.005	0.01	1	02/27/09 16:34	TDD	2992173
Isobutyl alcohol	ND		0.1	1.1	1	02/27/09 16:34	TDD	2992173
Methyl tert-butyl ether	ND		0.001	0.02	1	02/27/09 16:34	TDD	2992173
Methylene chloride	ND		0.005	0.005	1	02/27/09 16:34	TDD	2992173
Styrene	ND		0.005	0.1	1	02/27/09 16:34	TDD	2992173
Tetrachloroethene	ND		0.005	0.005	1	02/27/09 16:34	TDD	2992173
Toluene	ND		0.005	1	1	02/27/09 16:34	TDD	2992173
Trichloroethene	ND		0.005	0.005	1	02/27/09 16:34	TDD	2992173
Trichlorofluoromethane	ND		0.005	0.13	1	02/27/09 16:34	TDD	2992173
Vinyl chloride	ND		0.001	0.002	1	02/27/09 16:34	TDD	2992173
cis-1,3-Dichloropropene	ND		0.003	0.005	1	02/27/09 16:34	TDD	2992173
trans-1,3-Dichloropropene	ND		0.003	0.005	1	02/27/09 16:34	TDD	2992173

Qualifiers:

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TNTC - Too numerous to count
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MI - Matrix Interference

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

Client Sample ID: W-3507ACE-FB-2-26 **Collected:** 02/26/2009 13:50 **SPL Sample ID:** 09021066-01

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.005	0.07	1	02/27/09 16:34	TDD	2992173
trans-1,2-Dichloroethene	ND			0.005	0.1	1	02/27/09 16:34	TDD	2992173
m,p-Xylene	ND			0.005	10	1	02/27/09 16:34	TDD	2992173
o-Xylene	ND			0.005	10	1	02/27/09 16:34	TDD	2992173
1,3-Dichloropropene,Total	ND			0.005	0.005	1	02/27/09 16:34	TDD	2992173
1,2-Dichloroethene (total)	ND			0.005	0.07	1	02/27/09 16:34	TDD	2992173
Xylenes,Total	ND			0.005	10	1	02/27/09 16:34	TDD	2992173
Surr: 1,2-Dichloroethane-d4	102		%	75-120		1	02/27/09 16:34	TDD	2992173
Surr: 4-Bromofluorobenzene	95.3		%	89-109		1	02/27/09 16:34	TDD	2992173
Surr: Toluene-d8	102		%	89-110		1	02/27/09 16:34	TDD	2992173

Qualifiers:

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SCOTT, LA 70583
(337) 237-4775

Client Sample ID: W-3507ACE-TB-2-26 **Collected:** 02/26/2009 13:55 **SPL Sample ID:** 09021066-02

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/L**		
Gasoline Range Organics (C6-C10)	ND			0.1	0.15	1	03/01/09 3:35	JAP	2992756
Surr: 1,4-Difluorobenzene	99.3		%	69-137		1	03/01/09 3:35	JAP	2992756
Surr: 4-Bromofluorobenzene	98.5		%	81-119		1	03/01/09 3:35	JAP	2992756

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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

LAFAYETTE LABORATORY
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SCOTT, LA 70583
(337) 237-4775

Client Sample ID: W-3507ACE-TB-2-26 **Collected:** 02/26/2009 13:55 **SPL Sample ID:** 09021066-02

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS-RECAP METHOD 8260B				**MCL**	**SW8260B**	**Units: mg/L**		
1,1,1,2-Tetrachloroethane	ND		0.005	0.005	1	02/27/09 17:01	TDD	2992174
1,1,1-Trichloroethane	ND		0.005	0.2	1	02/27/09 17:01	TDD	2992174
1,1,2,2-Tetrachloroethane	ND		0.0005	0.0005	1	02/27/09 17:01	TDD	2992174
1,1,2-Trichloroethane	ND		0.005	0.005	1	02/27/09 17:01	TDD	2992174
1,1-Dichloroethane	ND		0.005	0.081	1	02/27/09 17:01	TDD	2992174
1,1-Dichloroethene	ND		0.005	0.007	1	02/27/09 17:01	TDD	2992174
1,2-Dibromo-3-chloropropane	ND		0.001	0.0002	1	02/27/09 17:01	TDD	2992174
1,2-Dichlorobenzene	ND		0.001	0.6	1	02/27/09 17:01	TDD	2992174
1,2-Dichloroethane	ND		0.005	0.005	1	02/27/09 17:01	TDD	2992174
1,2-Dichloropropane	ND		0.002	0.005	1	02/27/09 17:01	TDD	2992174
1,3-Dichlorobenzene	ND		0.001	0.01	1	02/27/09 17:01	TDD	2992174
1,4-Dichlorobenzene	ND		0.001	0.075	1	02/27/09 17:01	TDD	2992174
2-Butanone	ND		0.01	0.19	1	02/27/09 17:01	TDD	2992174
4-Methyl-2-pentanone	ND		0.01	0.2	1	02/27/09 17:01	TDD	2992174
Acetone	ND		0.05	0.1	1	02/27/09 17:01	TDD	2992174
Benzene	ND		0.005	0.005	1	02/27/09 17:01	TDD	2992174
Bromodichloromethane	ND		0.005	0.1	1	02/27/09 17:01	TDD	2992174
Bromoform	ND		0.005	0.1	1	02/27/09 17:01	TDD	2992174
Bromomethane	ND		0.01	0.01	1	02/27/09 17:01	TDD	2992174
Carbon disulfide	ND		0.005	0.1	1	02/27/09 17:01	TDD	2992174
Carbon tetrachloride	ND		0.005	0.005	1	02/27/09 17:01	TDD	2992174
Chlorobenzene	ND		0.005	0.1	1	02/27/09 17:01	TDD	2992174
Chloroethane	ND		0.005	0.01	1	02/27/09 17:01	TDD	2992174
Chloroform	ND		0.005	0.1	1	02/27/09 17:01	TDD	2992174
Chloromethane	ND		0.005	0.01	1	02/27/09 17:01	TDD	2992174
Dibromochloromethane	ND		0.005	0.1	1	02/27/09 17:01	TDD	2992174
Ethylbenzene	ND		0.005	0.7	1	02/27/09 17:01	TDD	2992174
Hexachloroethane	ND		0.005	0.01	1	02/27/09 17:01	TDD	2992174
Isobutyl alcohol	ND		0.1	1.1	1	02/27/09 17:01	TDD	2992174
Methyl tert-butyl ether	ND		0.001	0.02	1	02/27/09 17:01	TDD	2992174
Methylene chloride	ND		0.005	0.005	1	02/27/09 17:01	TDD	2992174
Styrene	ND		0.005	0.1	1	02/27/09 17:01	TDD	2992174
Tetrachloroethene	ND		0.005	0.005	1	02/27/09 17:01	TDD	2992174
Toluene	ND		0.005	1	1	02/27/09 17:01	TDD	2992174
Trichloroethene	ND		0.005	0.005	1	02/27/09 17:01	TDD	2992174
Trichlorofluoromethane	ND		0.005	0.13	1	02/27/09 17:01	TDD	2992174
Vinyl chloride	ND		0.001	0.002	1	02/27/09 17:01	TDD	2992174
cis-1,3-Dichloropropene	ND		0.003	0.005	1	02/27/09 17:01	TDD	2992174
trans-1,3-Dichloropropene	ND		0.003	0.005	1	02/27/09 17:01	TDD	2992174

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

Client Sample ID: W-3507ACE-TB-2-26 **Collected:** 02/26/2009 13:55 **SPL Sample ID:** 09021066-02

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.005	0.07	1	02/27/09 17:01	TDD	2992174
trans-1,2-Dichloroethene	ND			0.005	0.1	1	02/27/09 17:01	TDD	2992174
m,p-Xylene	ND			0.005	10	1	02/27/09 17:01	TDD	2992174
o-Xylene	ND			0.005	10	1	02/27/09 17:01	TDD	2992174
1,3-Dichloropropene,Total	ND			0.005	0.005	1	02/27/09 17:01	TDD	2992174
1,2-Dichloroethene (total)	ND			0.005	0.07	1	02/27/09 17:01	TDD	2992174
Xylenes,Total	ND			0.005	10	1	02/27/09 17:01	TDD	2992174
Surr: 1,2-Dichloroethane-d4	102		%	75-120		1	02/27/09 17:01	TDD	2992174
Surr: 4-Bromofluorobenzene	98.4		%	89-109		1	02/27/09 17:01	TDD	2992174
Surr: Toluene-d8	104		%	89-110		1	02/27/09 17:01	TDD	2992174

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(337) 237-4775

Client Sample ID: W-3507ACE-RB-LON-B2-2-26 **Collected:** 02/26/2009 12:20 **SPL Sample ID:** 09021066-03

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
CHLORINATED HERBICIDES BY METHOD 8151A				**MCL**	**SW8151A**	**Units: mg/L**		
Dinoseb	ND		0.00047	0.007	1	03/06/09 8:19	LDD	3000575
Surr: DCAA	112		% 42-118		1	03/06/09 8:19	LDD	3000575

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	03/04/2009 10:24	JB	1.00

MERCURY, TOTAL BY COLD VAPOR				**MCL**	**SW7470A**	**Units: mg/L**		
Mercury	ND		0.0002	0.002	1	03/03/09 14:21	PFB	2995397

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7470A	03/02/2009 8:00	PFB	1.00

METALS BY METHOD 6020 (ICP/MS), TOTAL				**MCL**	**SW6020**	**Units: mg/L**		
Arsenic	ND		0.004	0.01	1	03/02/09 15:10	RJD	2994648
Barium	ND		0.01	2	1	03/02/09 15:10	RJD	2994648
Cadmium	ND		0.002	0.005	1	03/02/09 15:10	RJD	2994648
Chromium	ND		0.004	0.1	1	03/02/09 15:10	RJD	2994648
Lead	ND		0.001	0.015	1	03/02/09 15:10	RJD	2994648
Selenium	ND		0.01	0.05	1	03/02/09 15:10	RJD	2994648
Silver	ND		0.001	0.018	1	03/02/09 15:10	RJD	2994648

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	02/27/2009 17:00	RJD	1.00

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Client Sample ID: W-3507ACE-RB-LON-B2-2-26 **Collected:** 02/26/2009 12:20 **SPL Sample ID:** 09021066-03

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
ORGANOCHLORINE PESTICIDES BY METHOD 8081A - WATE					**MCL**	**SW8081**	**Units: mg/L**		
4,4´-DDD	ND			0.00005	0.00028	1	03/05/09 15:13	RAH	2999051
4,4´-DDE	ND			0.00005	0.0002	1	03/05/09 15:13	RAH	2999051
4,4´-DDT	ND			0.00005	0.0003	1	03/05/09 15:13	RAH	2999051
Aldrin	ND			0.00005	0.0019	1	03/05/09 15:13	RAH	2999051
alpha-BHC	ND			0.00003	0.00003	1	03/05/09 15:13	RAH	2999051
beta-BHC	ND			0.00005	0.00006	1	03/05/09 15:13	RAH	2999051
Chlordane	ND			0.0002	0.002	1	03/05/09 15:13	RAH	2999051
Dieldrin	ND			0.00005	0.0025	1	03/05/09 15:13	RAH	2999051
Endosulfan I	ND			0.00005	0.022	1	03/05/09 15:13	RAH	2999051
Endosulfan II	ND			0.00005	0.022	1	03/05/09 15:13	RAH	2999051
Endrin	ND			0.00005	0.002	1	03/05/09 15:13	RAH	2999051
gamma-BHC	ND			0.00005	0.0002	1	03/05/09 15:13	RAH	2999051
Heptachlor	ND			0.00005	0.0004	1	03/05/09 15:13	RAH	2999051
Heptachlor epoxide	ND			0.00005	0.0002	1	03/05/09 15:13	RAH	2999051
Methoxychlor	ND			0.00005	0.04	1	03/05/09 15:13	RAH	2999051
Toxaphene	ND			0.002	0.003	1	03/05/09 15:13	RAH	2999051
Surr: Decachlorobiphenyl	54.4		%	10-144		1	03/05/09 15:13	RAH	2999051
Surr: Tetrachloro-m-xylene	98.6		%	10-179		1	03/05/09 15:13	RAH	2999051

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510B	03/02/2009 10:26	JB	1.00

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082 - WATER					**MCL**	**SW8082**	**Units: mg/L**		
Aroclor 1016	ND			0.0005	0.0005	1	03/04/09 2:53	LDD	2996105
Aroclor 1221	ND			0.0005	0.0005	1	03/04/09 2:53	LDD	2996105
Aroclor 1232	ND			0.0005	0.0005	1	03/04/09 2:53	LDD	2996105
Aroclor 1242	ND			0.0005	0.0005	1	03/04/09 2:53	LDD	2996105
Aroclor 1248	ND			0.0005	0.0005	1	03/04/09 2:53	LDD	2996105
Aroclor 1254	ND			0.0005	0.0005	1	03/04/09 2:53	LDD	2996105
Aroclor 1260	ND			0.0005	0.0005	1	03/04/09 2:53	LDD	2996105
Surr: Decachlorobiphenyl	64.5		%	10-134		1	03/04/09 2:53	LDD	2996105
Surr: Tetrachloro-m-xylene	74.2		%	15-137		1	03/04/09 2:53	LDD	2996105

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510B	03/02/2009 10:27	JB	1.00

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015B					**MCL**	**SW8015B**	**Units: mg/L**		
Diesel Range Organics (C10-C28)	ND			0.1	0.15	1	03/04/09 23:51	E_G	2997606
Surr: o-Terphenyl	81.5		%	11-144		1	03/04/09 23:51	E_G	2997606

Qualifiers:

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(337) 237-4775

Client Sample ID: W-3507ACE-RB-LON-B2-2-26 **Collected:** 02/26/2009 12:20 **SPL Sample ID:** 09021066-03

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3511	03/02/2009 12:01	JDF	1.00

RECAP GASOLINE RANGE ORGANICS					**MCL**		**SW8015B**	**Units: mg/L**	
Gasoline Range Organics (C6-C10)	ND			0.1	0.15	1	03/01/09 4:04	JAP	2992757
Surr: 1,4-Difluorobenzene	98.5		%	69-137		1	03/01/09 4:04	JAP	2992757
Surr: 4-Bromofluorobenzene	99.3		%	81-119		1	03/01/09 4:04	JAP	2992757

RECAP OIL RANGE ORGANICS					**MCL**		**SW8015B**	**Units: mg/L**	
Oil Range Organics (C28-C35)	ND			0.1	0.15	1	03/04/09 23:51	E_G	2997624
Surr: o-Terphenyl	81.5		%	11-139		1	03/04/09 23:51	E_G	2997624

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3511	03/02/2009 12:07	JDF	1.00

Qualifiers:

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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
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Client Sample ID: W-3507ACE-RB-LON-B2-2-26 **Collected:** 02/26/2009 12:20 **SPL Sample ID:** 09021066-03

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY EPA 8270C				**MCL**	**SW8270C**	**Units: mg/L**		
1,1-Biphenyl	ND		0.01	0.03	1	03/09/09 11:23	RRR	3002310
1,2,4,5-Tetrachlorobenzene	ND		0.0011	0.0011	1	03/09/09 11:23	RRR	3002310
1,2,4-Trichlorobenzene	ND		0.005	0.07	1	03/09/09 11:23	RRR	3002310
1,3-Dinitrobenzene	ND		0.01	0.01	1	03/09/09 11:23	RRR	3002310
2,3,4,6-Tetrachlorophenol	ND		0.01	0.11	1	03/09/09 11:23	RRR	3002310
2,4,5-Trichlorophenol	ND		0.005	0.37	1	03/09/09 11:23	RRR	3002310
2,4,6-Trichlorophenol	ND		0.005	0.01	1	03/09/09 11:23	RRR	3002310
2,4-Dichlorophenol	ND		0.005	0.011	1	03/09/09 11:23	RRR	3002310
2,4-Dimethylphenol	ND		0.005	0.073	1	03/09/09 11:23	RRR	3002310
2,4-Dinitrophenol	ND		0.01	0.0073	1	03/09/09 11:23	RRR	3002310
2,4-Dinitrotoluene	ND		0.005	0.0073	1	03/09/09 11:23	RRR	3002310
2,6-Dinitrotoluene	ND		0.0037	0.0037	1	03/09/09 11:23	RRR	3002310
2-Chloronaphthalene	ND		0.005	0.049	1	03/09/09 11:23	RRR	3002310
2-Chlorophenol	ND		0.003	0.003	1	03/09/09 11:23	RRR	3002310
2-Methylnaphthalene	ND		0.0002	0.00062	1	03/09/09 11:23	RRR	3002310
2-Nitroaniline	ND		0.005	0.05	1	03/09/09 11:23	RRR	3002310
3,3´-Dichlorobenzidine	ND		0.005	0.02	1	03/09/09 11:23	RRR	3002310
3-Nitroaniline	ND		0.0018	0.0018	1	03/09/09 11:23	RRR	3002310
4-Chloroaniline	ND		0.005	0.015	1	03/09/09 11:23	RRR	3002310
4-Nitroaniline	ND		0.005	0.011	1	03/09/09 11:23	RRR	3002310
4-Nitrophenol	ND		0.02	0.029	1	03/09/09 11:23	RRR	3002310
Acenaphthene	ND		0.0002	0.037	1	03/09/09 11:23	RRR	3002310
Acenaphthylene	ND		0.0002	0.1	1	03/09/09 11:23	RRR	3002310
Aniline	ND		0.005	0.012	1	03/09/09 11:23	RRR	3002310
Anthracene	ND		0.001	0.043	1	03/09/09 11:23	RRR	3002310
Benz(a)anthracene	ND		0.0002	0.0078	1	03/09/09 11:23	RRR	3002310
Benzo(a)pyrene	ND		0.0002	0.0002	1	03/09/09 11:23	RRR	3002310
Benzo(b)fluoranthene	ND		0.0002	0.0048	1	03/09/09 11:23	RRR	3002310
Benzo(k)fluoranthene	ND		0.0002	0.0025	1	03/09/09 11:23	RRR	3002310
Bis(2-chloroethyl)ether	ND		0.005	0.01	1	03/09/09 11:23	RRR	3002310
Bis(2-chloroisopropyl)ether	ND		0.005	0.01	1	03/09/09 11:23	RRR	3002310
Bis(2-ethylhexyl)phthalate	ND		0.005	0.01	1	03/09/09 11:23	RRR	3002310
Butyl benzyl phthalate	ND		0.005	0.73	1	03/09/09 11:23	RRR	3002310
Chrysene	ND		0.0002	0.0016	1	03/09/09 11:23	RRR	3002310
Dibenz(a,h)anthracene	ND		0.0002	0.0025	1	03/09/09 11:23	RRR	3002310
Dibenzofuran	ND		0.0024	0.0024	1	03/09/09 11:23	RRR	3002310
Diethyl phthalate	ND		0.005	2.9	1	03/09/09 11:23	RRR	3002310
Dimethyl phthalate	ND		0.005	37	1	03/09/09 11:23	RRR	3002310
Di-n-octyl phthalate	ND		0.005	0.02	1	03/09/09 11:23	RRR	3002310

Qualifiers:

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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)
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MI - Matrix Interference

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

Client Sample ID: W-3507ACE-RB-LON-B2-2-26 **Collected:** 02/26/2009 12:20 **SPL Sample ID:** 09021066-03

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
Fluoranthene	ND			0.0002	0.15	1	03/09/09 11:23	RRR	3002310
Fluorene	ND			0.0002	0.024	1	03/09/09 11:23	RRR	3002310
Hexachlorobenzene	ND			0.001	0.001	1	03/09/09 11:23	RRR	3002310
Hexachlorobutadiene	ND			0.002	0.00073	1	03/09/09 11:23	RRR	3002310
Hexachlorocyclopentadiene	ND			0.01	0.05	1	03/09/09 11:23	RRR	3002310
Indeno(1,2,3-cd)pyrene	ND			0.0002	0.0037	1	03/09/09 11:23	RRR	3002310
Isophorone	ND			0.005	0.07	1	03/09/09 11:23	RRR	3002310
Naphthalene	ND			0.0002	0.01	1	03/09/09 11:23	RRR	3002310
Nitrobenzene	ND			0.001	0.001	1	03/09/09 11:23	RRR	3002310
N-Nitrosodi-n-propylamine	ND			0.005	0.01	1	03/09/09 11:23	RRR	3002310
N-Nitrosodiphenylamine	ND			0.005	0.014	1	03/09/09 11:23	RRR	3002310
Pentachlorophenol	ND			0.005	0.001	1	03/09/09 11:23	RRR	3002310
Phenanthrene	ND			0.0002	0.18	1	03/09/09 11:23	RRR	3002310
Phenol	ND			0.005	0.37	1	03/09/09 11:23	RRR	3002310
Pyrene	ND			0.0002	0.018	1	03/09/09 11:23	RRR	3002310
Surr: 2,4,6-Tribromophenol	83.2		%	39-152		1	03/09/09 11:23	RRR	3002310
Surr: 2-Fluorobiphenyl	72.7		%	41-125		1	03/09/09 11:23	RRR	3002310
Surr: 2-Fluorophenol	39.8		%	10-114		1	03/09/09 11:23	RRR	3002310
Surr: 4-Terphenyl-d14	77.6		%	34-135		1	03/09/09 11:23	RRR	3002310
Surr: Nitrobenzene-d5	75.3		%	36-126		1	03/09/09 11:23	RRR	3002310
Surr: Phenol-d5	30.1		%	10-84.1		1	03/09/09 11:23	RRR	3002310

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	02/28/2009 9:18	JB	1.00

Qualifiers:

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TNTC - Too numerous to count
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LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: W-3507ACE-RB-LON-B2-2-26 **Collected:** 02/26/2009 12:20 **SPL Sample ID:** 09021066-03

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS-RECAP METHOD 8260B				**MCL**	**SW8260B**	**Units: mg/L**		
1,1,1,2-Tetrachloroethane	ND		0.005	0.005	1	02/27/09 17:27	TDD	2992175
1,1,1-Trichloroethane	ND		0.005	0.2	1	02/27/09 17:27	TDD	2992175
1,1,2,2-Tetrachloroethane	ND		0.0005	0.0005	1	02/27/09 17:27	TDD	2992175
1,1,2-Trichloroethane	ND		0.005	0.005	1	02/27/09 17:27	TDD	2992175
1,1-Dichloroethane	ND		0.005	0.081	1	02/27/09 17:27	TDD	2992175
1,1-Dichloroethene	ND		0.005	0.007	1	02/27/09 17:27	TDD	2992175
1,2-Dibromo-3-chloropropane	ND		0.001	0.0002	1	02/27/09 17:27	TDD	2992175
1,2-Dichlorobenzene	ND		0.001	0.6	1	02/27/09 17:27	TDD	2992175
1,2-Dichloroethane	ND		0.005	0.005	1	02/27/09 17:27	TDD	2992175
1,2-Dichloropropane	ND		0.002	0.005	1	02/27/09 17:27	TDD	2992175
1,3-Dichlorobenzene	ND		0.001	0.01	1	02/27/09 17:27	TDD	2992175
1,4-Dichlorobenzene	ND		0.001	0.075	1	02/27/09 17:27	TDD	2992175
2-Butanone	ND		0.01	0.19	1	02/27/09 17:27	TDD	2992175
4-Methyl-2-pentanone	ND		0.01	0.2	1	02/27/09 17:27	TDD	2992175
Acetone	ND		0.05	0.1	1	02/27/09 17:27	TDD	2992175
Benzene	ND		0.005	0.005	1	02/27/09 17:27	TDD	2992175
Bromodichloromethane	ND		0.005	0.1	1	02/27/09 17:27	TDD	2992175
Bromoform	ND		0.005	0.1	1	02/27/09 17:27	TDD	2992175
Bromomethane	ND		0.01	0.01	1	02/27/09 17:27	TDD	2992175
Carbon disulfide	ND		0.005	0.1	1	02/27/09 17:27	TDD	2992175
Carbon tetrachloride	ND		0.005	0.005	1	02/27/09 17:27	TDD	2992175
Chlorobenzene	ND		0.005	0.1	1	02/27/09 17:27	TDD	2992175
Chloroethane	ND		0.005	0.01	1	02/27/09 17:27	TDD	2992175
Chloroform	ND		0.005	0.1	1	02/27/09 17:27	TDD	2992175
Chloromethane	ND		0.005	0.01	1	02/27/09 17:27	TDD	2992175
Dibromochloromethane	ND		0.005	0.1	1	02/27/09 17:27	TDD	2992175
Ethylbenzene	ND		0.005	0.7	1	02/27/09 17:27	TDD	2992175
Hexachloroethane	ND		0.005	0.01	1	02/27/09 17:27	TDD	2992175
Isobutyl alcohol	ND		0.1	1.1	1	02/27/09 17:27	TDD	2992175
Methyl tert-butyl ether	ND		0.001	0.02	1	02/27/09 17:27	TDD	2992175
Methylene chloride	ND		0.005	0.005	1	02/27/09 17:27	TDD	2992175
Styrene	ND		0.005	0.1	1	02/27/09 17:27	TDD	2992175
Tetrachloroethene	ND		0.005	0.005	1	02/27/09 17:27	TDD	2992175
Toluene	ND		0.005	1	1	02/27/09 17:27	TDD	2992175
Trichloroethene	ND		0.005	0.005	1	02/27/09 17:27	TDD	2992175
Trichlorofluoromethane	ND		0.005	0.13	1	02/27/09 17:27	TDD	2992175
Vinyl chloride	ND		0.001	0.002	1	02/27/09 17:27	TDD	2992175
cis-1,3-Dichloropropene	ND		0.003	0.005	1	02/27/09 17:27	TDD	2992175
trans-1,3-Dichloropropene	ND		0.003	0.005	1	02/27/09 17:27	TDD	2992175

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

Client Sample ID: W-3507ACE-RB-LON-B2-2-26 **Collected:** 02/26/2009 12:20 **SPL Sample ID:** 09021066-03

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.005	0.07	1	02/27/09 17:27	TDD	2992175
trans-1,2-Dichloroethene	ND			0.005	0.1	1	02/27/09 17:27	TDD	2992175
m,p-Xylene	ND			0.005	10	1	02/27/09 17:27	TDD	2992175
o-Xylene	ND			0.005	10	1	02/27/09 17:27	TDD	2992175
1,3-Dichloropropene,Total	ND			0.005	0.005	1	02/27/09 17:27	TDD	2992175
1,2-Dichloroethene (total)	ND			0.005	0.07	1	02/27/09 17:27	TDD	2992175
Xylenes,Total	ND			0.005	10	1	02/27/09 17:27	TDD	2992175
Surr: 1,2-Dichloroethane-d4	99.3		%	75-120		1	02/27/09 17:27	TDD	2992175
Surr: 4-Bromofluorobenzene	96.9		%	89-109		1	02/27/09 17:27	TDD	2992175
Surr: Toluene-d8	103		%	89-110		1	02/27/09 17:27	TDD	2992175

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

Client Sample ID: SD-3507ACE-ORL-B2 **Collected:** 02/26/2009 11:15 **SPL Sample ID:** 09021066-04

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015B					**MCL**	**SW8015B**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	ND			3.3	65	1	03/03/09 0:59	DF	2994950
Surr: o-Terphenyl	76.4		%	12-145		1	03/03/09 0:59	DF	2994950

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/27/2009 10:39	JT	1.00

RECAP GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/Kg**		
Gasoline Range Organics (C6-C10)	ND			4.6	65	50	03/01/09 4:33	JAP	2992764
Surr: 1,4-Difluorobenzene	94.0		%	56-151		50	03/01/09 4:33	JAP	2992764
Surr: 4-Bromofluorobenzene	97.9		%	55-148		50	03/01/09 4:33	JAP	2992764

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	02/27/2009 17:15	cah	0.93

RECAP OIL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/Kg**		
Oil Range Organics (C28-C35)	ND			3.3	180	1	03/03/09 0:59	DF	2994972
Surr: o-Terphenyl	76.3		%	10-148		1	03/03/09 0:59	DF	2994972

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/27/2009 10:41	JT	1.00

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

Client Sample ID: SD-3507ACE-ORL-B2 **Collected:** 02/26/2009 11:15 **SPL Sample ID:** 09021066-04

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP SEMIVOLATILE ORGANICS BY EPA 8270C			**MCL**	**SW8270C**	**Units: mg/Kg**		
1,1-Biphenyl	ND		0.33	1	03/06/09 16:03	RRR	3002221
1,2,4,5-Tetrachlorobenzene	ND		0.17	1	03/06/09 16:03	RRR	3002221
1,2,4-Trichlorobenzene	ND		0.17	1	03/06/09 16:03	RRR	3002221
1,3-Dinitrobenzene	ND		0.17	1	03/06/09 16:03	RRR	3002221
2,3,4,6-Tetrachlorophenol	ND		0.17	1	03/06/09 16:03	RRR	3002221
2,4,5-Trichlorophenol	ND		0.17	1	03/06/09 16:03	RRR	3002221
2,4,6-Trichlorophenol	ND		0.17	1	03/06/09 16:03	RRR	3002221
2,4-Dichlorophenol	ND		0.17	1	03/06/09 16:03	RRR	3002221
2,4-Dimethylphenol	ND		0.17	1	03/06/09 16:03	RRR	3002221
2,4-Dinitrophenol	ND		0.66	1	03/06/09 16:03	RRR	3002221
2,4-Dinitrotoluene	ND		0.17	1	03/06/09 16:03	RRR	3002221
2,6-Dinitrotoluene	ND		0.17	1	03/06/09 16:03	RRR	3002221
2-Chloronaphthalene	ND		0.17	1	03/06/09 16:03	RRR	3002221
2-Chlorophenol	ND		0.17	1	03/06/09 16:03	RRR	3002221
2-Methylnaphthalene	ND		0.033	1	03/06/09 16:03	RRR	3002221
2-Nitroaniline	ND		0.33	1	03/06/09 16:03	RRR	3002221
3,3´-Dichlorobenzidine	ND		0.17	1	03/06/09 16:03	RRR	3002221
3-Nitroaniline	ND		0.33	1	03/06/09 16:03	RRR	3002221
4-Chloroaniline	ND		0.17	1	03/06/09 16:03	RRR	3002221
4-Nitroaniline	ND		0.33	1	03/06/09 16:03	RRR	3002221
4-Nitrophenol	ND		0.66	1	03/06/09 16:03	RRR	3002221
Acenaphthene	ND		0.033	1	03/06/09 16:03	RRR	3002221
Acenaphthylene	ND		0.033	1	03/06/09 16:03	RRR	3002221
Aniline	ND		0.065	1	03/06/09 16:03	RRR	3002221
Anthracene	ND		0.033	1	03/06/09 16:03	RRR	3002221
Benz(a)anthracene	ND		0.033	1	03/06/09 16:03	RRR	3002221
Benzo(a)pyrene	ND		0.033	1	03/06/09 16:03	RRR	3002221
Benzo(b)fluoranthene	ND		0.033	1	03/06/09 16:03	RRR	3002221
Benzo(k)fluoranthene	0.083		0.033	1	03/06/09 16:03	RRR	3002221
Bis(2-chloroethyl)ether	ND		0.17	1	03/06/09 16:03	RRR	3002221
Bis(2-chloroisopropyl)ether	ND		0.17	1	03/06/09 16:03	RRR	3002221
Bis(2-ethylhexyl)phthalate	ND		0.17	1	03/06/09 16:03	RRR	3002221
Butyl benzyl phthalate	ND		0.17	1	03/06/09 16:03	RRR	3002221
Chrysene	ND		0.033	1	03/06/09 16:03	RRR	3002221
Dibenz(a,h)anthracene	ND		0.033	1	03/06/09 16:03	RRR	3002221
Dibenzofuran	ND		0.17	1	03/06/09 16:03	RRR	3002221
Diethyl phthalate	ND		0.17	1	03/06/09 16:03	RRR	3002221
Dimethyl phthalate	ND		0.17	1	03/06/09 16:03	RRR	3002221
Di-n-octyl phthalate	ND		0.17	1	03/06/09 16:03	RRR	3002221

Qualifiers:

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

Client Sample ID: SD-3507ACE-ORL-B2 **Collected:** 02/26/2009 11:15 **SPL Sample ID:** 09021066-04

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Fluoranthene	ND			0.033	1	03/06/09 16:03	RRR	3002221
Fluorene	ND			0.033	1	03/06/09 16:03	RRR	3002221
Hexachlorobenzene	ND			0.17	1	03/06/09 16:03	RRR	3002221
Hexachlorobutadiene	ND			0.17	1	03/06/09 16:03	RRR	3002221
Hexachlorocyclopentadiene	ND			0.33	1	03/06/09 16:03	RRR	3002221
Indeno(1,2,3-cd)pyrene	ND			0.033	1	03/06/09 16:03	RRR	3002221
Isophorone	ND			0.17	1	03/06/09 16:03	RRR	3002221
Naphthalene	ND			0.033	1	03/06/09 16:03	RRR	3002221
Nitrobenzene	ND			0.17	1	03/06/09 16:03	RRR	3002221
N-Nitrosodi-n-propylamine	ND			0.17	1	03/06/09 16:03	RRR	3002221
N-Nitrosodiphenylamine	ND			0.17	1	03/06/09 16:03	RRR	3002221
Pentachlorophenol	ND			0.66	1	03/06/09 16:03	RRR	3002221
Phenanthrene	ND			0.033	1	03/06/09 16:03	RRR	3002221
Phenol	ND			0.17	1	03/06/09 16:03	RRR	3002221
Pyrene	ND			0.033	1	03/06/09 16:03	RRR	3002221
Surr: 2,4,6-Tribromophenol	86.9		%	10-170	1	03/06/09 16:03	RRR	3002221
Surr: 2-Fluorobiphenyl	101		%	35-116	1	03/06/09 16:03	RRR	3002221
Surr: 2-Fluorophenol	75.9		%	16-139	1	03/06/09 16:03	RRR	3002221
Surr: 4-Terphenyl-d14	85.3		%	30-145	1	03/06/09 16:03	RRR	3002221
Surr: Nitrobenzene-d5	102		%	10-152	1	03/06/09 16:03	RRR	3002221
Surr: Phenol-d5	82.7		%	17-151	1	03/06/09 16:03	RRR	3002221

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	03/06/2009 7:37	JT	1.00

Qualifiers:

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Client Sample ID: SD-3507ACE-ORL-B2 **Collected:** 02/26/2009 11:15 **SPL Sample ID:** 09021066-04

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS-RECAP METHOD 8260B				**MCL**	**SW8260B**	**Units: mg/Kg**		
1,1,1,2-Tetrachloroethane	ND		0.0049	2.7	1	02/28/09 20:00	TDD	2992521
1,1,1-Trichloroethane	ND		0.0049	4	1	02/28/09 20:00	TDD	2992521
1,1,2,2-Tetrachloroethane	ND		0.002	0.006	1	02/28/09 20:00	TDD	2992521
1,1,2-Trichloroethane	ND		0.0049	0.058	1	02/28/09 20:00	TDD	2992521
1,1-Dichloroethane	ND		0.0049	7.5	1	02/28/09 20:00	TDD	2992521
1,1-Dichloroethene	ND		0.0049	0.085	1	02/28/09 20:00	TDD	2992521
1,2-Dibromo-3-chloropropane	ND		0.0029	0.01	1	02/28/09 20:00	TDD	2992521
1,2-Dichlorobenzene	ND		0.0049	18	1	02/28/09 20:00	TDD	2992521
1,2-Dichloroethane	ND		0.0049	0.035	1	02/28/09 20:00	TDD	2992521
1,2-Dichloropropane	ND		0.0049	0.042	1	02/28/09 20:00	TDD	2992521
1,3-Dichlorobenzene	ND		0.0049	2.3	1	02/28/09 20:00	TDD	2992521
1,4-Dichlorobenzene	ND		0.0049	5.7	1	02/28/09 20:00	TDD	2992521
2-Butanone	ND		0.02	5	1	02/28/09 20:00	TDD	2992521
4-Methyl-2-pentanone	ND		0.0098	0.45	1	02/28/09 20:00	TDD	2992521
Acetone	ND		0.098	1.5	1	02/28/09 20:00	TDD	2992521
Benzene	ND		0.0049	0.051	1	02/28/09 20:00	TDD	2992521
Bromodichloromethane	ND		0.0049	0.92	1	02/28/09 20:00	TDD	2992521
Bromoform	ND		0.0049	1.8	1	02/28/09 20:00	TDD	2992521
Bromomethane	ND		0.0098	0.035	1	02/28/09 20:00	TDD	2992521
Carbon disulfide	ND		0.0049	11	1	02/28/09 20:00	TDD	2992521
Carbon tetrachloride	ND		0.0049	0.11	1	02/28/09 20:00	TDD	2992521
Chlorobenzene	ND		0.0049	3	1	02/28/09 20:00	TDD	2992521
Chloroethane	ND		0.0049	0.013	1	02/28/09 20:00	TDD	2992521
Chloroform	ND		0.0049	0.046	1	02/28/09 20:00	TDD	2992521
Chloromethane	ND		0.0098	0.1	1	02/28/09 20:00	TDD	2992521
Dibromochloromethane	ND		0.0049	1	1	02/28/09 20:00	TDD	2992521
Ethylbenzene	ND		0.0049	19	1	02/28/09 20:00	TDD	2992521
Hexachloroethane	ND		0.0049	0.17	1	02/28/09 20:00	TDD	2992521
Isobutyl alcohol	ND		0.098	30	1	02/28/09 20:00	TDD	2992521
Methyl tert-butyl ether	ND		0.0049	0.077	1	02/28/09 20:00	TDD	2992521
Methylene chloride	ND		0.0098	0.017	1	02/28/09 20:00	TDD	2992521
Styrene	ND		0.0049	11	1	02/28/09 20:00	TDD	2992521
Tetrachloroethene	ND		0.0049	0.18	1	02/28/09 20:00	TDD	2992521
Toluene	ND		0.0049	20	1	02/28/09 20:00	TDD	2992521
Trichloroethene	ND		0.0049	0.073	1	02/28/09 20:00	TDD	2992521
Trichlorofluoromethane	ND		0.0049	37	1	02/28/09 20:00	TDD	2992521
Vinyl chloride	ND		0.0049	0.013	1	02/28/09 20:00	TDD	2992521
cis-1,3-Dichloropropene	ND		0.0049	0.04	1	02/28/09 20:00	TDD	2992521
trans-1,3-Dichloropropene	ND		0.0049	0.04	1	02/28/09 20:00	TDD	2992521

Qualifiers:

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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

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

Client Sample ID: SD-3507ACE-ORL-B2 **Collected:** 02/26/2009 11:15 **SPL Sample ID:** 09021066-04

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.0049	0.49	1	02/28/09 20:00	TDD	2992521
trans-1,2-Dichloroethene	ND			0.0049	0.77	1	02/28/09 20:00	TDD	2992521
m,p-Xylene	ND			0.0049	150	1	02/28/09 20:00	TDD	2992521
o-Xylene	ND			0.0049	150	1	02/28/09 20:00	TDD	2992521
1,3-Dichloropropene,Total	ND			0.0049	0.04	1	02/28/09 20:00	TDD	2992521
1,2-Dichloroethene (total)	ND			0.0049	0.49	1	02/28/09 20:00	TDD	2992521
Xylenes,Total	ND			0.0049	150	1	02/28/09 20:00	TDD	2992521
Surr: 1,2-Dichloroethane-d4	95.8		%	67-158		1	02/28/09 20:00	TDD	2992521
Surr: 4-Bromofluorobenzene	100		%	84-112		1	02/28/09 20:00	TDD	2992521
Surr: Toluene-d8	98.4		%	89-112		1	02/28/09 20:00	TDD	2992521

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	02/27/2009 17:13	cah	0.98

Qualifiers:

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

Client Sample ID: SD-3507ACE-ORL-B1 **Collected:** 02/26/2009 11:30 **SPL Sample ID:** 09021066-05

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015B					**MCL**	**SW8015B**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	ND			3.3	65	1	03/03/09 2:17	DF	2994953
Surr: o-Terphenyl	77.3		%	12-145		1	03/03/09 2:17	DF	2994953

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/27/2009 10:39	JT	1.00

RECAP GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/Kg**		
Gasoline Range Organics (C6-C10)	ND			6.4	65	50	03/01/09 5:59	JAP	2992767
Surr: 1,4-Difluorobenzene	92.3		%	56-151		50	03/01/09 5:59	JAP	2992767
Surr: 4-Bromofluorobenzene	96.8		%	55-148		50	03/01/09 5:59	JAP	2992767

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	02/27/2009 16:43	cah	1.28

RECAP OIL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/Kg**		
Oil Range Organics (C28-C35)	ND			3.3	180	1	03/03/09 2:17	DF	2994975
Surr: o-Terphenyl	77.2		%	10-148		1	03/03/09 2:17	DF	2994975

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/27/2009 10:41	JT	1.00

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D - Surrogate Recovery Unreportable due to Dilution
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LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SD-3507ACE-ORL-B1 **Collected:** 02/26/2009 11:30 **SPL Sample ID:** 09021066-05

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP SEMIVOLATILE ORGANICS BY EPA 8270C			**MCL**	**SW8270C**	**Units: mg/Kg**		
1,1-Biphenyl	ND		0.33	1	03/06/09 16:24	RRR	3002222
1,2,4,5-Tetrachlorobenzene	ND		0.17	1	03/06/09 16:24	RRR	3002222
1,2,4-Trichlorobenzene	ND		0.17	1	03/06/09 16:24	RRR	3002222
1,3-Dinitrobenzene	ND		0.17	1	03/06/09 16:24	RRR	3002222
2,3,4,6-Tetrachlorophenol	ND		0.17	1	03/06/09 16:24	RRR	3002222
2,4,5-Trichlorophenol	ND		0.17	1	03/06/09 16:24	RRR	3002222
2,4,6-Trichlorophenol	ND		0.17	1	03/06/09 16:24	RRR	3002222
2,4-Dichlorophenol	ND		0.17	1	03/06/09 16:24	RRR	3002222
2,4-Dimethylphenol	ND		0.17	1	03/06/09 16:24	RRR	3002222
2,4-Dinitrophenol	ND		0.66	1	03/06/09 16:24	RRR	3002222
2,4-Dinitrotoluene	ND		0.17	1	03/06/09 16:24	RRR	3002222
2,6-Dinitrotoluene	ND		0.17	1	03/06/09 16:24	RRR	3002222
2-Chloronaphthalene	ND		0.17	1	03/06/09 16:24	RRR	3002222
2-Chlorophenol	ND		0.17	1	03/06/09 16:24	RRR	3002222
2-Methylnaphthalene	ND		0.033	1	03/06/09 16:24	RRR	3002222
2-Nitroaniline	ND		0.33	1	03/06/09 16:24	RRR	3002222
3,3´-Dichlorobenzidine	ND		0.17	1	03/06/09 16:24	RRR	3002222
3-Nitroaniline	ND		0.33	1	03/06/09 16:24	RRR	3002222
4-Chloroaniline	ND		0.17	1	03/06/09 16:24	RRR	3002222
4-Nitroaniline	ND		0.33	1	03/06/09 16:24	RRR	3002222
4-Nitrophenol	ND		0.66	1	03/06/09 16:24	RRR	3002222
Acenaphthene	ND		0.033	1	03/06/09 16:24	RRR	3002222
Acenaphthylene	ND		0.033	1	03/06/09 16:24	RRR	3002222
Aniline	ND		0.065	1	03/06/09 16:24	RRR	3002222
Anthracene	ND		0.033	1	03/06/09 16:24	RRR	3002222
Benz(a)anthracene	ND		0.033	1	03/06/09 16:24	RRR	3002222
Benzo(a)pyrene	ND		0.033	1	03/06/09 16:24	RRR	3002222
Benzo(b)fluoranthene	ND		0.033	1	03/06/09 16:24	RRR	3002222
Benzo(k)fluoranthene	0.082		0.033	1	03/06/09 16:24	RRR	3002222
Bis(2-chloroethyl)ether	ND		0.17	1	03/06/09 16:24	RRR	3002222
Bis(2-chloroisopropyl)ether	ND		0.17	1	03/06/09 16:24	RRR	3002222
Bis(2-ethylhexyl)phthalate	ND		0.17	1	03/06/09 16:24	RRR	3002222
Butyl benzyl phthalate	ND		0.17	1	03/06/09 16:24	RRR	3002222
Chrysene	ND		0.033	1	03/06/09 16:24	RRR	3002222
Dibenz(a,h)anthracene	ND		0.033	1	03/06/09 16:24	RRR	3002222
Dibenzofuran	ND		0.17	1	03/06/09 16:24	RRR	3002222
Diethyl phthalate	ND		0.17	1	03/06/09 16:24	RRR	3002222
Dimethyl phthalate	ND		0.17	1	03/06/09 16:24	RRR	3002222
Di-n-octyl phthalate	ND		0.17	1	03/06/09 16:24	RRR	3002222

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

Client Sample ID: SD-3507ACE-ORL-B1 **Collected:** 02/26/2009 11:30 **SPL Sample ID:** 09021066-05

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Fluoranthene	ND			0.033	1	03/06/09 16:24	RRR	3002222
Fluorene	ND			0.033	1	03/06/09 16:24	RRR	3002222
Hexachlorobenzene	ND			0.17	1	03/06/09 16:24	RRR	3002222
Hexachlorobutadiene	ND			0.17	1	03/06/09 16:24	RRR	3002222
Hexachlorocyclopentadiene	ND			0.33	1	03/06/09 16:24	RRR	3002222
Indeno(1,2,3-cd)pyrene	ND			0.033	1	03/06/09 16:24	RRR	3002222
Isophorone	ND			0.17	1	03/06/09 16:24	RRR	3002222
Naphthalene	ND			0.033	1	03/06/09 16:24	RRR	3002222
Nitrobenzene	ND			0.17	1	03/06/09 16:24	RRR	3002222
N-Nitrosodi-n-propylamine	ND			0.17	1	03/06/09 16:24	RRR	3002222
N-Nitrosodiphenylamine	ND			0.17	1	03/06/09 16:24	RRR	3002222
Pentachlorophenol	ND			0.66	1	03/06/09 16:24	RRR	3002222
Phenanthrene	ND			0.033	1	03/06/09 16:24	RRR	3002222
Phenol	ND			0.17	1	03/06/09 16:24	RRR	3002222
Pyrene	ND			0.033	1	03/06/09 16:24	RRR	3002222
Surr: 2,4,6-Tribromophenol	68.7		%	10-170	1	03/06/09 16:24	RRR	3002222
Surr: 2-Fluorobiphenyl	70.0		%	35-116	1	03/06/09 16:24	RRR	3002222
Surr: 2-Fluorophenol	56.5		%	16-139	1	03/06/09 16:24	RRR	3002222
Surr: 4-Terphenyl-d14	88.1		%	30-145	1	03/06/09 16:24	RRR	3002222
Surr: Nitrobenzene-d5	84.1		%	10-152	1	03/06/09 16:24	RRR	3002222
Surr: Phenol-d5	74.4		%	17-151	1	03/06/09 16:24	RRR	3002222

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	03/06/2009 7:37	JT	1.00

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>MCL - Result Over Maximum Contamination Limit(MCL)
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MI - Matrix Interference

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

Client Sample ID: SD-3507ACE-ORL-B1 **Collected:** 02/26/2009 11:30 **SPL Sample ID:** 09021066-05

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS-RECAP METHOD 8260B				**MCL**	**SW8260B**	**Units: mg/Kg**		
1,1,1,2-Tetrachloroethane	ND		0.0081	2.7	1	02/28/09 20:28	TDD	2993200
1,1,1-Trichloroethane	ND		0.0081	4	1	02/28/09 20:28	TDD	2993200
1,1,2,2-Tetrachloroethane	ND		0.0032	0.006	1	02/28/09 20:28	TDD	2993200
1,1,2-Trichloroethane	ND		0.0081	0.058	1	02/28/09 20:28	TDD	2993200
1,1-Dichloroethane	ND		0.0081	7.5	1	02/28/09 20:28	TDD	2993200
1,1-Dichloroethene	ND		0.0081	0.085	1	02/28/09 20:28	TDD	2993200
1,2-Dibromo-3-chloropropane	ND		0.0048	0.01	1	02/28/09 20:28	TDD	2993200
1,2-Dichlorobenzene	ND		0.0081	18	1	02/28/09 20:28	TDD	2993200
1,2-Dichloroethane	ND		0.0081	0.035	1	02/28/09 20:28	TDD	2993200
1,2-Dichloropropane	ND		0.0081	0.042	1	02/28/09 20:28	TDD	2993200
1,3-Dichlorobenzene	ND		0.0081	2.3	1	02/28/09 20:28	TDD	2993200
1,4-Dichlorobenzene	ND		0.0081	5.7	1	02/28/09 20:28	TDD	2993200
2-Butanone	ND		0.032	5	1	02/28/09 20:28	TDD	2993200
4-Methyl-2-pentanone	ND		0.016	0.45	1	02/28/09 20:28	TDD	2993200
Acetone	ND		0.16	1.5	1	02/28/09 20:28	TDD	2993200
Benzene	ND		0.0081	0.051	1	02/28/09 20:28	TDD	2993200
Bromodichloromethane	ND		0.0081	0.92	1	02/28/09 20:28	TDD	2993200
Bromoform	ND		0.0081	1.8	1	02/28/09 20:28	TDD	2993200
Bromomethane	ND		0.016	0.035	1	02/28/09 20:28	TDD	2993200
Carbon disulfide	ND		0.0081	11	1	02/28/09 20:28	TDD	2993200
Carbon tetrachloride	ND		0.0081	0.11	1	02/28/09 20:28	TDD	2993200
Chlorobenzene	ND		0.0081	3	1	02/28/09 20:28	TDD	2993200
Chloroethane	ND		0.0081	0.013	1	02/28/09 20:28	TDD	2993200
Chloroform	ND		0.0081	0.046	1	02/28/09 20:28	TDD	2993200
Chloromethane	ND		0.016	0.1	1	02/28/09 20:28	TDD	2993200
Dibromochloromethane	ND		0.0081	1	1	02/28/09 20:28	TDD	2993200
Ethylbenzene	ND		0.0081	19	1	02/28/09 20:28	TDD	2993200
Hexachloroethane	ND		0.0081	0.17	1	02/28/09 20:28	TDD	2993200
Isobutyl alcohol	ND		0.16	30	1	02/28/09 20:28	TDD	2993200
Methyl tert-butyl ether	ND		0.0081	0.077	1	02/28/09 20:28	TDD	2993200
Methylene chloride	ND		0.016	0.017	1	02/28/09 20:28	TDD	2993200
Styrene	ND		0.0081	11	1	02/28/09 20:28	TDD	2993200
Tetrachloroethene	ND		0.0081	0.18	1	02/28/09 20:28	TDD	2993200
Toluene	ND		0.0081	20	1	02/28/09 20:28	TDD	2993200
Trichloroethene	ND		0.0081	0.073	1	02/28/09 20:28	TDD	2993200
Trichlorofluoromethane	ND		0.0081	37	1	02/28/09 20:28	TDD	2993200
Vinyl chloride	ND		0.0081	0.013	1	02/28/09 20:28	TDD	2993200
cis-1,3-Dichloropropene	ND		0.0081	0.04	1	02/28/09 20:28	TDD	2993200
trans-1,3-Dichloropropene	ND		0.0081	0.04	1	02/28/09 20:28	TDD	2993200

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

Client Sample ID: SD-3507ACE-ORL-B1 **Collected:** 02/26/2009 11:30 **SPL Sample ID:** 09021066-05

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.0081	0.49	1	02/28/09 20:28	TDD	2993200
trans-1,2-Dichloroethene	ND			0.0081	0.77	1	02/28/09 20:28	TDD	2993200
m,p-Xylene	ND			0.0081	150	1	02/28/09 20:28	TDD	2993200
o-Xylene	ND			0.0081	150	1	02/28/09 20:28	TDD	2993200
1,3-Dichloropropene,Total	ND			0.0081	0.04	1	02/28/09 20:28	TDD	2993200
1,2-Dichloroethene (total)	ND			0.0081	0.49	1	02/28/09 20:28	TDD	2993200
Xylenes,Total	ND			0.0081	150	1	02/28/09 20:28	TDD	2993200
Surr: 1,2-Dichloroethane-d4	121		%	67-158		1	02/28/09 20:28	TDD	2993200
Surr: 4-Bromofluorobenzene	99.4		%	84-112		1	02/28/09 20:28	TDD	2993200
Surr: Toluene-d8	102		%	89-112		1	02/28/09 20:28	TDD	2993200

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	02/27/2009 16:39	cah	1.61

Qualifiers:

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J - Estimated Value between MDL and PQL
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TNTC - Too numerous to count
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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

Client Sample ID: SD-3507ACE-LON-B2 **Collected:** 02/26/2009 13:10 **SPL Sample ID:** 09021066-06

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015B					**MCL**	**SW8015B**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	ND			3.3	65	1	03/03/09 2:36	DF	2994954
Surr: o-Terphenyl	76.4		%	12-145		1	03/03/09 2:36	DF	2994954

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/27/2009 10:39	JT	1.00

RECAP GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/Kg**		
Gasoline Range Organics (C6-C10)	ND			5.3	65	50	03/01/09 7:26	JAP	2992768
Surr: 1,4-Difluorobenzene	93.0		%	56-151		50	03/01/09 7:26	JAP	2992768
Surr: 4-Bromofluorobenzene	97.0		%	55-148		50	03/01/09 7:26	JAP	2992768

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	02/27/2009 16:51	cah	1.06

RECAP OIL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/Kg**		
Oil Range Organics (C28-C35)	ND			3.3	180	1	03/03/09 2:36	DF	2994976
Surr: o-Terphenyl	76.2		%	10-148		1	03/03/09 2:36	DF	2994976

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/27/2009 10:41	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

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

Client Sample ID: SD-3507ACE-LON-B2 **Collected:** 02/26/2009 13:10 **SPL Sample ID:** 09021066-06

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP SEMIVOLATILE ORGANICS BY EPA 8270C			**MCL**	**SW8270C**	**Units: mg/Kg**		
1,1-Biphenyl	ND		0.33	1	03/06/09 17:27	RRR	3002225
1,2,4,5-Tetrachlorobenzene	ND		0.17	1	03/06/09 17:27	RRR	3002225
1,2,4-Trichlorobenzene	ND		0.17	1	03/06/09 17:27	RRR	3002225
1,3-Dinitrobenzene	ND		0.17	1	03/06/09 17:27	RRR	3002225
2,3,4,6-Tetrachlorophenol	ND		0.17	1	03/06/09 17:27	RRR	3002225
2,4,5-Trichlorophenol	ND		0.17	1	03/06/09 17:27	RRR	3002225
2,4,6-Trichlorophenol	ND		0.17	1	03/06/09 17:27	RRR	3002225
2,4-Dichlorophenol	ND		0.17	1	03/06/09 17:27	RRR	3002225
2,4-Dimethylphenol	ND		0.17	1	03/06/09 17:27	RRR	3002225
2,4-Dinitrophenol	ND		0.66	1	03/06/09 17:27	RRR	3002225
2,4-Dinitrotoluene	ND		0.17	1	03/06/09 17:27	RRR	3002225
2,6-Dinitrotoluene	ND		0.17	1	03/06/09 17:27	RRR	3002225
2-Chloronaphthalene	ND		0.17	1	03/06/09 17:27	RRR	3002225
2-Chlorophenol	ND		0.17	1	03/06/09 17:27	RRR	3002225
2-Methylnaphthalene	ND		0.033	1	03/06/09 17:27	RRR	3002225
2-Nitroaniline	ND		0.33	1	03/06/09 17:27	RRR	3002225
3,3´-Dichlorobenzidine	ND		0.17	1	03/06/09 17:27	RRR	3002225
3-Nitroaniline	ND		0.33	1	03/06/09 17:27	RRR	3002225
4-Chloroaniline	ND		0.17	1	03/06/09 17:27	RRR	3002225
4-Nitroaniline	ND		0.33	1	03/06/09 17:27	RRR	3002225
4-Nitrophenol	ND		0.66	1	03/06/09 17:27	RRR	3002225
Acenaphthene	ND		0.033	1	03/06/09 17:27	RRR	3002225
Acenaphthylene	ND		0.033	1	03/06/09 17:27	RRR	3002225
Aniline	ND		0.065	1	03/06/09 17:27	RRR	3002225
Anthracene	ND		0.033	1	03/06/09 17:27	RRR	3002225
Benz(a)anthracene	ND		0.033	1	03/06/09 17:27	RRR	3002225
Benzo(a)pyrene	ND		0.033	1	03/06/09 17:27	RRR	3002225
Benzo(b)fluoranthene	ND		0.033	1	03/06/09 17:27	RRR	3002225
Benzo(k)fluoranthene	ND		0.033	1	03/06/09 17:27	RRR	3002225
Bis(2-chloroethyl)ether	ND		0.17	1	03/06/09 17:27	RRR	3002225
Bis(2-chloroisopropyl)ether	ND		0.17	1	03/06/09 17:27	RRR	3002225
Bis(2-ethylhexyl)phthalate	ND		0.17	1	03/06/09 17:27	RRR	3002225
Butyl benzyl phthalate	ND		0.17	1	03/06/09 17:27	RRR	3002225
Chrysene	ND		0.033	1	03/06/09 17:27	RRR	3002225
Dibenz(a,h)anthracene	ND		0.033	1	03/06/09 17:27	RRR	3002225
Dibenzofuran	ND		0.17	1	03/06/09 17:27	RRR	3002225
Diethyl phthalate	ND		0.17	1	03/06/09 17:27	RRR	3002225
Dimethyl phthalate	ND		0.17	1	03/06/09 17:27	RRR	3002225
Di-n-octyl phthalate	ND		0.17	1	03/06/09 17:27	RRR	3002225

Qualifiers:

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J - Estimated Value between MDL and PQL
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TNTC - Too numerous to count
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D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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

Client Sample ID: SD-3507ACE-LON-B2 **Collected:** 02/26/2009 13:10 **SPL Sample ID:** 09021066-06

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Fluoranthene	ND			0.033	1	03/06/09 17:27	RRR	3002225
Fluorene	ND			0.033	1	03/06/09 17:27	RRR	3002225
Hexachlorobenzene	ND			0.17	1	03/06/09 17:27	RRR	3002225
Hexachlorobutadiene	ND			0.17	1	03/06/09 17:27	RRR	3002225
Hexachlorocyclopentadiene	ND			0.33	1	03/06/09 17:27	RRR	3002225
Indeno(1,2,3-cd)pyrene	ND			0.033	1	03/06/09 17:27	RRR	3002225
Isophorone	ND			0.17	1	03/06/09 17:27	RRR	3002225
Naphthalene	ND			0.033	1	03/06/09 17:27	RRR	3002225
Nitrobenzene	ND			0.17	1	03/06/09 17:27	RRR	3002225
N-Nitrosodi-n-propylamine	ND			0.17	1	03/06/09 17:27	RRR	3002225
N-Nitrosodiphenylamine	ND			0.17	1	03/06/09 17:27	RRR	3002225
Pentachlorophenol	ND			0.66	1	03/06/09 17:27	RRR	3002225
Phenanthrene	ND			0.033	1	03/06/09 17:27	RRR	3002225
Phenol	ND			0.17	1	03/06/09 17:27	RRR	3002225
Pyrene	ND			0.033	1	03/06/09 17:27	RRR	3002225
Surr: 2,4,6-Tribromophenol	83.3		%	10-170	1	03/06/09 17:27	RRR	3002225
Surr: 2-Fluorobiphenyl	75.8		%	35-116	1	03/06/09 17:27	RRR	3002225
Surr: 2-Fluorophenol	73.6		%	16-139	1	03/06/09 17:27	RRR	3002225
Surr: 4-Terphenyl-d14	76.2		%	30-145	1	03/06/09 17:27	RRR	3002225
Surr: Nitrobenzene-d5	81.5		%	10-152	1	03/06/09 17:27	RRR	3002225
Surr: Phenol-d5	76.9		%	17-151	1	03/06/09 17:27	RRR	3002225

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	03/06/2009 7:37	JT	1.00

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Client Sample ID: SD-3507ACE-LON-B2 **Collected:** 02/26/2009 13:10 **SPL Sample ID:** 09021066-06

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS-RECAP METHOD 8260B				**MCL**	**SW8260B**	**Units: mg/Kg**		
1,1,1,2-Tetrachloroethane	ND		0.0057	2.7	1	03/02/09 18:29	TDD	2995040
1,1,1-Trichloroethane	ND		0.0057	4	1	03/02/09 18:29	TDD	2995040
1,1,2,2-Tetrachloroethane	ND		0.0023	0.006	1	03/02/09 18:29	TDD	2995040
1,1,2-Trichloroethane	ND		0.0057	0.058	1	03/02/09 18:29	TDD	2995040
1,1-Dichloroethane	ND		0.0057	7.5	1	03/02/09 18:29	TDD	2995040
1,1-Dichloroethene	ND		0.0057	0.085	1	03/02/09 18:29	TDD	2995040
1,2-Dibromo-3-chloropropane	ND		0.0034	0.01	1	03/02/09 18:29	TDD	2995040
1,2-Dichlorobenzene	ND		0.0057	18	1	03/02/09 18:29	TDD	2995040
1,2-Dichloroethane	ND		0.0057	0.035	1	03/02/09 18:29	TDD	2995040
1,2-Dichloropropane	ND		0.0057	0.042	1	03/02/09 18:29	TDD	2995040
1,3-Dichlorobenzene	ND		0.0057	2.3	1	03/02/09 18:29	TDD	2995040
1,4-Dichlorobenzene	ND		0.0057	5.7	1	03/02/09 18:29	TDD	2995040
2-Butanone	ND		0.023	5	1	03/02/09 18:29	TDD	2995040
4-Methyl-2-pentanone	ND		0.011	0.45	1	03/02/09 18:29	TDD	2995040
Acetone	ND		0.11	1.5	1	03/02/09 18:29	TDD	2995040
Benzene	ND		0.0057	0.051	1	03/02/09 18:29	TDD	2995040
Bromodichloromethane	ND		0.0057	0.92	1	03/02/09 18:29	TDD	2995040
Bromoform	ND		0.0057	1.8	1	03/02/09 18:29	TDD	2995040
Bromomethane	ND		0.011	0.035	1	03/02/09 18:29	TDD	2995040
Carbon disulfide	ND		0.0057	11	1	03/02/09 18:29	TDD	2995040
Carbon tetrachloride	ND		0.0057	0.11	1	03/02/09 18:29	TDD	2995040
Chlorobenzene	ND		0.0057	3	1	03/02/09 18:29	TDD	2995040
Chloroethane	ND		0.0057	0.013	1	03/02/09 18:29	TDD	2995040
Chloroform	ND		0.0057	0.046	1	03/02/09 18:29	TDD	2995040
Chloromethane	ND		0.011	0.1	1	03/02/09 18:29	TDD	2995040
Dibromochloromethane	ND		0.0057	1	1	03/02/09 18:29	TDD	2995040
Ethylbenzene	ND		0.0057	19	1	03/02/09 18:29	TDD	2995040
Hexachloroethane	ND		0.0057	0.17	1	03/02/09 18:29	TDD	2995040
Isobutyl alcohol	ND		0.11	30	1	03/02/09 18:29	TDD	2995040
Methyl tert-butyl ether	ND		0.0057	0.077	1	03/02/09 18:29	TDD	2995040
Methylene chloride	ND		0.011	0.017	1	03/02/09 18:29	TDD	2995040
Styrene	ND		0.0057	11	1	03/02/09 18:29	TDD	2995040
Tetrachloroethene	ND		0.0057	0.18	1	03/02/09 18:29	TDD	2995040
Toluene	ND		0.0057	20	1	03/02/09 18:29	TDD	2995040
Trichloroethene	ND		0.0057	0.073	1	03/02/09 18:29	TDD	2995040
Trichlorofluoromethane	ND		0.0057	37	1	03/02/09 18:29	TDD	2995040
Vinyl chloride	ND		0.0057	0.013	1	03/02/09 18:29	TDD	2995040
cis-1,3-Dichloropropene	ND		0.0057	0.04	1	03/02/09 18:29	TDD	2995040
trans-1,3-Dichloropropene	ND		0.0057	0.04	1	03/02/09 18:29	TDD	2995040

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

Client Sample ID: SD-3507ACE-LON-B2 **Collected:** 02/26/2009 13:10 **SPL Sample ID:** 09021066-06

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.0057	0.49	1	03/02/09 18:29	TDD	2995040
trans-1,2-Dichloroethene	ND			0.0057	0.77	1	03/02/09 18:29	TDD	2995040
m,p-Xylene	ND			0.0057	150	1	03/02/09 18:29	TDD	2995040
o-Xylene	ND			0.0057	150	1	03/02/09 18:29	TDD	2995040
1,3-Dichloropropene,Total	ND			0.0057	0.04	1	03/02/09 18:29	TDD	2995040
1,2-Dichloroethene (total)	ND			0.0057	0.49	1	03/02/09 18:29	TDD	2995040
Xylenes,Total	ND			0.0057	150	1	03/02/09 18:29	TDD	2995040
Surr: 1,2-Dichloroethane-d4	114		%	67-158		1	03/02/09 18:29	TDD	2995040
Surr: 4-Bromofluorobenzene	102		%	84-112		1	03/02/09 18:29	TDD	2995040
Surr: Toluene-d8	105		%	89-112		1	03/02/09 18:29	TDD	2995040

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	02/27/2009 16:51	cah	1.14

Qualifiers:

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

Client Sample ID: SD-3507ACE-LON-B1 **Collected:** 02/26/2009 12:55 **SPL Sample ID:** 09021066-07

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015B					**MCL**	**SW8015B**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	41			3.3	65	1	03/03/09 3:53	DF	2994958
Surr: o-Terphenyl	70.5		%	12-145		1	03/03/09 3:53	DF	2994958

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/27/2009 10:39	JT	1.00

RECAP GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/Kg**		
Gasoline Range Organics (C6-C10)	ND			5.2	65	50	03/01/09 7:54	JAP	2992769
Surr: 1,4-Difluorobenzene	94.3		%	56-151		50	03/01/09 7:54	JAP	2992769
Surr: 4-Bromofluorobenzene	97.5		%	55-148		50	03/01/09 7:54	JAP	2992769

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	02/27/2009 16:56	cah	1.04

RECAP OIL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/Kg**		
Oil Range Organics (C28-C35)	51			3.3	180	1	03/03/09 3:53	DF	2994980
Surr: o-Terphenyl	70.3		%	10-148		1	03/03/09 3:53	DF	2994980

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/27/2009 10:41	JT	1.00

Qualifiers:

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Client Sample ID: SD-3507ACE-LON-B1 **Collected:** 02/26/2009 12:55 **SPL Sample ID:** 09021066-07

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP SEMIVOLATILE ORGANICS BY EPA 8270C			**MCL**	**SW8270C**	**Units: mg/Kg**		
1,1-Biphenyl	ND		0.33	1	03/09/09 11:56	RRR	3002443
1,2,4,5-Tetrachlorobenzene	ND		0.17	1	03/09/09 11:56	RRR	3002443
1,2,4-Trichlorobenzene	ND		0.17	1	03/09/09 11:56	RRR	3002443
1,3-Dinitrobenzene	ND		0.17	1	03/09/09 11:56	RRR	3002443
2,3,4,6-Tetrachlorophenol	ND		0.17	1	03/09/09 11:56	RRR	3002443
2,4,5-Trichlorophenol	ND		0.17	1	03/09/09 11:56	RRR	3002443
2,4,6-Trichlorophenol	ND		0.17	1	03/09/09 11:56	RRR	3002443
2,4-Dichlorophenol	ND		0.17	1	03/09/09 11:56	RRR	3002443
2,4-Dimethylphenol	ND		0.17	1	03/09/09 11:56	RRR	3002443
2,4-Dinitrophenol	ND		0.66	1	03/09/09 11:56	RRR	3002443
2,4-Dinitrotoluene	ND		0.17	1	03/09/09 11:56	RRR	3002443
2,6-Dinitrotoluene	ND		0.17	1	03/09/09 11:56	RRR	3002443
2-Chloronaphthalene	ND		0.17	1	03/09/09 11:56	RRR	3002443
2-Chlorophenol	ND		0.17	1	03/09/09 11:56	RRR	3002443
2-Methylnaphthalene	ND		0.033	1	03/09/09 11:56	RRR	3002443
2-Nitroaniline	ND		0.33	1	03/09/09 11:56	RRR	3002443
3,3´-Dichlorobenzidine	ND		0.17	1	03/09/09 11:56	RRR	3002443
3-Nitroaniline	ND		0.33	1	03/09/09 11:56	RRR	3002443
4-Chloroaniline	ND		0.17	1	03/09/09 11:56	RRR	3002443
4-Nitroaniline	ND		0.33	1	03/09/09 11:56	RRR	3002443
4-Nitrophenol	ND		0.66	1	03/09/09 11:56	RRR	3002443
Acenaphthene	ND		0.033	1	03/09/09 11:56	RRR	3002443
Acenaphthylene	ND		0.033	1	03/09/09 11:56	RRR	3002443
Aniline	ND		0.065	1	03/09/09 11:56	RRR	3002443
Anthracene	ND		0.033	1	03/09/09 11:56	RRR	3002443
Benz(a)anthracene	ND		0.033	1	03/09/09 11:56	RRR	3002443
Benzo(a)pyrene	ND		0.033	1	03/09/09 11:56	RRR	3002443
Benzo(b)fluoranthene	0.06		0.033	1	03/09/09 11:56	RRR	3002443
Benzo(k)fluoranthene	ND		0.033	1	03/09/09 11:56	RRR	3002443
Bis(2-chloroethyl)ether	ND		0.17	1	03/09/09 11:56	RRR	3002443
Bis(2-chloroisopropyl)ether	ND		0.17	1	03/09/09 11:56	RRR	3002443
Bis(2-ethylhexyl)phthalate	ND		0.17	1	03/09/09 11:56	RRR	3002443
Butyl benzyl phthalate	ND		0.17	1	03/09/09 11:56	RRR	3002443
Chrysene	ND		0.033	1	03/09/09 11:56	RRR	3002443
Dibenz(a,h)anthracene	ND		0.033	1	03/09/09 11:56	RRR	3002443
Dibenzofuran	ND		0.17	1	03/09/09 11:56	RRR	3002443
Diethyl phthalate	ND		0.17	1	03/09/09 11:56	RRR	3002443
Dimethyl phthalate	ND		0.17	1	03/09/09 11:56	RRR	3002443
Di-n-octyl phthalate	ND		0.17	1	03/09/09 11:56	RRR	3002443

Qualifiers:

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Client Sample ID: SD-3507ACE-LON-B1 **Collected:** 02/26/2009 12:55 **SPL Sample ID:** 09021066-07

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Fluoranthene	ND			0.033	1	03/09/09 11:56	RRR	3002443
Fluorene	ND			0.033	1	03/09/09 11:56	RRR	3002443
Hexachlorobenzene	ND			0.17	1	03/09/09 11:56	RRR	3002443
Hexachlorobutadiene	ND			0.17	1	03/09/09 11:56	RRR	3002443
Hexachlorocyclopentadiene	ND			0.33	1	03/09/09 11:56	RRR	3002443
Indeno(1,2,3-cd)pyrene	0.05			0.033	1	03/09/09 11:56	RRR	3002443
Isophorone	ND			0.17	1	03/09/09 11:56	RRR	3002443
Naphthalene	ND			0.033	1	03/09/09 11:56	RRR	3002443
Nitrobenzene	ND			0.17	1	03/09/09 11:56	RRR	3002443
N-Nitrosodi-n-propylamine	0.34			0.17	1	03/09/09 11:56	RRR	3002443
N-Nitrosodiphenylamine	ND			0.17	1	03/09/09 11:56	RRR	3002443
Pentachlorophenol	ND			0.66	1	03/09/09 11:56	RRR	3002443
Phenanthrene	ND			0.033	1	03/09/09 11:56	RRR	3002443
Phenol	ND			0.17	1	03/09/09 11:56	RRR	3002443
Pyrene	ND			0.033	1	03/09/09 11:56	RRR	3002443
Surr: 2,4,6-Tribromophenol	84.4		%	10-170	1	03/09/09 11:56	RRR	3002443
Surr: 2-Fluorobiphenyl	72.4		%	35-116	1	03/09/09 11:56	RRR	3002443
Surr: 2-Fluorophenol	70.1		%	16-139	1	03/09/09 11:56	RRR	3002443
Surr: 4-Terphenyl-d14	80.1		%	30-145	1	03/09/09 11:56	RRR	3002443
Surr: Nitrobenzene-d5	76.4		%	10-152	1	03/09/09 11:56	RRR	3002443
Surr: Phenol-d5	81.1		%	17-151	1	03/09/09 11:56	RRR	3002443

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	03/06/2009 7:37	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

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

Client Sample ID: SD-3507ACE-LON-B1 **Collected:** 02/26/2009 12:55 **SPL Sample ID:** 09021066-07

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS-RECAP METHOD 8260B				**MCL**	**SW8260B**	**Units: mg/Kg**		
1,1,1,2-Tetrachloroethane	ND		0.026	2.7	50	03/03/09 16:37	DN	2995672
1,1,1-Trichloroethane	ND		0.026	4	50	03/03/09 16:37	DN	2995672
1,1,2,2-Tetrachloroethane	ND		0.026	0.006	50	03/03/09 16:37	DN	2995672
1,1,2-Trichloroethane	ND		0.026	0.058	50	03/03/09 16:37	DN	2995672
1,1-Dichloroethane	ND		0.026	7.5	50	03/03/09 16:37	DN	2995672
1,1-Dichloroethene	ND		0.026	0.085	50	03/03/09 16:37	DN	2995672
1,2-Dibromo-3-chloropropane	ND		0.1	0.01	50	03/03/09 16:37	DN	2995672
1,2-Dichlorobenzene	ND		0.026	18	50	03/03/09 16:37	DN	2995672
1,2-Dichloroethane	ND		0.026	0.035	50	03/03/09 16:37	DN	2995672
1,2-Dichloropropane	ND		0.026	0.042	50	03/03/09 16:37	DN	2995672
1,3-Dichlorobenzene	ND		0.026	2.3	50	03/03/09 16:37	DN	2995672
1,4-Dichlorobenzene	ND		0.026	5.7	50	03/03/09 16:37	DN	2995672
2-Butanone	ND		0.26	5	50	03/03/09 16:37	DN	2995672
4-Methyl-2-pentanone	ND		0.26	0.45	50	03/03/09 16:37	DN	2995672
Acetone	ND		0.52	1.5	50	03/03/09 16:37	DN	2995672
Benzene	ND		0.026	0.051	50	03/03/09 16:37	DN	2995672
Bromodichloromethane	ND		0.026	0.92	50	03/03/09 16:37	DN	2995672
Bromoform	ND		0.026	1.8	50	03/03/09 16:37	DN	2995672
Bromomethane	ND		0.052	0.035	50	03/03/09 16:37	DN	2995672
Carbon disulfide	ND		0.026	11	50	03/03/09 16:37	DN	2995672
Carbon tetrachloride	ND		0.1	0.11	50	03/03/09 16:37	DN	2995672
Chlorobenzene	ND		0.026	3	50	03/03/09 16:37	DN	2995672
Chloroethane	ND		0.26	0.013	50	03/03/09 16:37	DN	2995672
Chloroform	ND		0.026	0.046	50	03/03/09 16:37	DN	2995672
Chloromethane	ND		0.026	0.1	50	03/03/09 16:37	DN	2995672
Dibromochloromethane	ND		0.026	1	50	03/03/09 16:37	DN	2995672
Ethylbenzene	ND		0.026	19	50	03/03/09 16:37	DN	2995672
Hexachloroethane	ND		0.052	0.17	50	03/03/09 16:37	DN	2995672
Isobutyl alcohol	ND		0.26	30	50	03/03/09 16:37	DN	2995672
Methyl tert-butyl ether	ND		0.026	0.077	50	03/03/09 16:37	DN	2995672
Methylene chloride	ND		0.26	0.017	50	03/03/09 16:37	DN	2995672
Styrene	ND		0.026	11	50	03/03/09 16:37	DN	2995672
Tetrachloroethene	ND		0.026	0.18	50	03/03/09 16:37	DN	2995672
Toluene	ND		0.026	20	50	03/03/09 16:37	DN	2995672
Trichloroethene	ND		0.026	0.073	50	03/03/09 16:37	DN	2995672
Trichlorofluoromethane	ND		0.026	37	50	03/03/09 16:37	DN	2995672
Vinyl chloride	ND		0.026	0.013	50	03/03/09 16:37	DN	2995672
cis-1,3-Dichloropropene	ND		0.026	0.04	50	03/03/09 16:37	DN	2995672
trans-1,3-Dichloropropene	ND		0.026	0.04	50	03/03/09 16:37	DN	2995672

Qualifiers:

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

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

Client Sample ID: SD-3507ACE-LON-B1 **Collected:** 02/26/2009 12:55 **SPL Sample ID:** 09021066-07

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.026	0.49	50	03/03/09 16:37	DN	2995672
trans-1,2-Dichloroethene	ND			0.026	0.77	50	03/03/09 16:37	DN	2995672
m,p-Xylene	ND			0.052	150	50	03/03/09 16:37	DN	2995672
o-Xylene	ND			0.026	150	50	03/03/09 16:37	DN	2995672
1,3-Dichloropropene,Total	ND			0.052	0.04	50	03/03/09 16:37	DN	2995672
1,2-Dichloroethene (total)	ND			0.052	0.49	50	03/03/09 16:37	DN	2995672
Xylenes,Total	ND			0.026	150	50	03/03/09 16:37	DN	2995672
Surr: 1,2-Dichloroethane-d4	88.2		%	62-134		50	03/03/09 16:37	DN	2995672
Surr: 4-Bromofluorobenzene	103		%	75-128		50	03/03/09 16:37	DN	2995672
Surr: Toluene-d8	101		%	78-120		50	03/03/09 16:37	DN	2995672

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	02/27/2009 16:56	cah	1.04

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

Client Sample ID: SD-3507ACE-17ST-B2 **Collected:** 02/26/2009 10:30 **SPL Sample ID:** 09021066-08

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015B					**MCL**	**SW8015B**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	ND			3.3	65	1	03/03/09 2:55	DF	2994955
Surr: o-Terphenyl	67.8		%	12-145		1	03/03/09 2:55	DF	2994955

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/27/2009 10:39	JT	1.00

RECAP GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/Kg**		
Gasoline Range Organics (C6-C10)	ND			6.6	65	50	03/01/09 8:23	JAP	2992770
Surr: 1,4-Difluorobenzene	94.2		%	56-151		50	03/01/09 8:23	JAP	2992770
Surr: 4-Bromofluorobenzene	97.9		%	55-148		50	03/01/09 8:23	JAP	2992770

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	02/27/2009 17:01	cah	1.32

RECAP OIL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/Kg**		
Oil Range Organics (C28-C35)	ND			3.3	180	1	03/03/09 2:55	DF	2994977
Surr: o-Terphenyl	67.7		%	10-148		1	03/03/09 2:55	DF	2994977

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/27/2009 10:41	JT	1.00

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

Client Sample ID: SD-3507ACE-17ST-B2 **Collected:** 02/26/2009 10:30 **SPL Sample ID:** 09021066-08

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP SEMIVOLATILE ORGANICS BY EPA 8270C			**MCL**	**SW8270C**	**Units: mg/Kg**		
1,1-Biphenyl	ND		0.33	1	03/06/09 18:08	RRR	3002226
1,2,4,5-Tetrachlorobenzene	ND		0.17	1	03/06/09 18:08	RRR	3002226
1,2,4-Trichlorobenzene	ND		0.17	1	03/06/09 18:08	RRR	3002226
1,3-Dinitrobenzene	ND		0.17	1	03/06/09 18:08	RRR	3002226
2,3,4,6-Tetrachlorophenol	ND		0.17	1	03/06/09 18:08	RRR	3002226
2,4,5-Trichlorophenol	ND		0.17	1	03/06/09 18:08	RRR	3002226
2,4,6-Trichlorophenol	ND		0.17	1	03/06/09 18:08	RRR	3002226
2,4-Dichlorophenol	ND		0.17	1	03/06/09 18:08	RRR	3002226
2,4-Dimethylphenol	ND		0.17	1	03/06/09 18:08	RRR	3002226
2,4-Dinitrophenol	ND		0.66	1	03/06/09 18:08	RRR	3002226
2,4-Dinitrotoluene	ND		0.17	1	03/06/09 18:08	RRR	3002226
2,6-Dinitrotoluene	ND		0.17	1	03/06/09 18:08	RRR	3002226
2-Chloronaphthalene	ND		0.17	1	03/06/09 18:08	RRR	3002226
2-Chlorophenol	ND		0.17	1	03/06/09 18:08	RRR	3002226
2-Methylnaphthalene	ND		0.033	1	03/06/09 18:08	RRR	3002226
2-Nitroaniline	ND		0.33	1	03/06/09 18:08	RRR	3002226
3,3´-Dichlorobenzidine	ND		0.17	1	03/06/09 18:08	RRR	3002226
3-Nitroaniline	ND		0.33	1	03/06/09 18:08	RRR	3002226
4-Chloroaniline	ND		0.17	1	03/06/09 18:08	RRR	3002226
4-Nitroaniline	ND		0.33	1	03/06/09 18:08	RRR	3002226
4-Nitrophenol	ND		0.66	1	03/06/09 18:08	RRR	3002226
Acenaphthene	ND		0.033	1	03/06/09 18:08	RRR	3002226
Acenaphthylene	ND		0.033	1	03/06/09 18:08	RRR	3002226
Aniline	ND		0.065	1	03/06/09 18:08	RRR	3002226
Anthracene	ND		0.033	1	03/06/09 18:08	RRR	3002226
Benz(a)anthracene	ND		0.033	1	03/06/09 18:08	RRR	3002226
Benzo(a)pyrene	ND		0.033	1	03/06/09 18:08	RRR	3002226
Benzo(b)fluoranthene	ND		0.033	1	03/06/09 18:08	RRR	3002226
Benzo(k)fluoranthene	ND		0.033	1	03/06/09 18:08	RRR	3002226
Bis(2-chloroethyl)ether	ND		0.17	1	03/06/09 18:08	RRR	3002226
Bis(2-chloroisopropyl)ether	ND		0.17	1	03/06/09 18:08	RRR	3002226
Bis(2-ethylhexyl)phthalate	ND		0.17	1	03/06/09 18:08	RRR	3002226
Butyl benzyl phthalate	ND		0.17	1	03/06/09 18:08	RRR	3002226
Chrysene	ND		0.033	1	03/06/09 18:08	RRR	3002226
Dibenz(a,h)anthracene	ND		0.033	1	03/06/09 18:08	RRR	3002226
Dibenzofuran	ND		0.17	1	03/06/09 18:08	RRR	3002226
Diethyl phthalate	ND		0.17	1	03/06/09 18:08	RRR	3002226
Dimethyl phthalate	ND		0.17	1	03/06/09 18:08	RRR	3002226
Di-n-octyl phthalate	ND		0.17	1	03/06/09 18:08	RRR	3002226

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

Client Sample ID: SD-3507ACE-17ST-B2 **Collected:** 02/26/2009 10:30 **SPL Sample ID:** 09021066-08

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Fluoranthene	ND			0.033	1	03/06/09 18:08	RRR	3002226
Fluorene	ND			0.033	1	03/06/09 18:08	RRR	3002226
Hexachlorobenzene	ND			0.17	1	03/06/09 18:08	RRR	3002226
Hexachlorobutadiene	ND			0.17	1	03/06/09 18:08	RRR	3002226
Hexachlorocyclopentadiene	ND			0.33	1	03/06/09 18:08	RRR	3002226
Indeno(1,2,3-cd)pyrene	ND			0.033	1	03/06/09 18:08	RRR	3002226
Isophorone	ND			0.17	1	03/06/09 18:08	RRR	3002226
Naphthalene	ND			0.033	1	03/06/09 18:08	RRR	3002226
Nitrobenzene	ND			0.17	1	03/06/09 18:08	RRR	3002226
N-Nitrosodi-n-propylamine	ND			0.17	1	03/06/09 18:08	RRR	3002226
N-Nitrosodiphenylamine	ND			0.17	1	03/06/09 18:08	RRR	3002226
Pentachlorophenol	ND			0.66	1	03/06/09 18:08	RRR	3002226
Phenanthrene	ND			0.033	1	03/06/09 18:08	RRR	3002226
Phenol	ND			0.17	1	03/06/09 18:08	RRR	3002226
Pyrene	ND			0.033	1	03/06/09 18:08	RRR	3002226
Surr: 2,4,6-Tribromophenol	72.6		%	10-170	1	03/06/09 18:08	RRR	3002226
Surr: 2-Fluorobiphenyl	81.3		%	35-116	1	03/06/09 18:08	RRR	3002226
Surr: 2-Fluorophenol	74.4		%	16-139	1	03/06/09 18:08	RRR	3002226
Surr: 4-Terphenyl-d14	84.1		%	30-145	1	03/06/09 18:08	RRR	3002226
Surr: Nitrobenzene-d5	86.7		%	10-152	1	03/06/09 18:08	RRR	3002226
Surr: Phenol-d5	75.9		%	17-151	1	03/06/09 18:08	RRR	3002226

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	03/06/2009 7:37	JT	1.00

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

Client Sample ID: SD-3507ACE-17ST-B2 **Collected:** 02/26/2009 10:30 **SPL Sample ID:** 09021066-08

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS-RECAP METHOD 8260B				**MCL**	**SW8260B**	**Units: mg/Kg**		
1,1,1,2-Tetrachloroethane	ND		0.0069	2.7	1	03/02/09 19:27	TDD	2995042
1,1,1-Trichloroethane	ND		0.0069	4	1	03/02/09 19:27	TDD	2995042
1,1,2,2-Tetrachloroethane	ND		0.0028	0.006	1	03/02/09 19:27	TDD	2995042
1,1,2-Trichloroethane	ND		0.0069	0.058	1	03/02/09 19:27	TDD	2995042
1,1-Dichloroethane	ND		0.0069	7.5	1	03/02/09 19:27	TDD	2995042
1,1-Dichloroethene	ND		0.0069	0.085	1	03/02/09 19:27	TDD	2995042
1,2-Dibromo-3-chloropropane	ND		0.0042	0.01	1	03/02/09 19:27	TDD	2995042
1,2-Dichlorobenzene	ND		0.0069	18	1	03/02/09 19:27	TDD	2995042
1,2-Dichloroethane	ND		0.0069	0.035	1	03/02/09 19:27	TDD	2995042
1,2-Dichloropropane	ND		0.0069	0.042	1	03/02/09 19:27	TDD	2995042
1,3-Dichlorobenzene	ND		0.0069	2.3	1	03/02/09 19:27	TDD	2995042
1,4-Dichlorobenzene	ND		0.0069	5.7	1	03/02/09 19:27	TDD	2995042
2-Butanone	ND		0.028	5	1	03/02/09 19:27	TDD	2995042
4-Methyl-2-pentanone	ND		0.014	0.45	1	03/02/09 19:27	TDD	2995042
Acetone	ND		0.14	1.5	1	03/02/09 19:27	TDD	2995042
Benzene	ND		0.0069	0.051	1	03/02/09 19:27	TDD	2995042
Bromodichloromethane	ND		0.0069	0.92	1	03/02/09 19:27	TDD	2995042
Bromoform	ND		0.0069	1.8	1	03/02/09 19:27	TDD	2995042
Bromomethane	ND		0.014	0.035	1	03/02/09 19:27	TDD	2995042
Carbon disulfide	ND		0.0069	11	1	03/02/09 19:27	TDD	2995042
Carbon tetrachloride	ND		0.0069	0.11	1	03/02/09 19:27	TDD	2995042
Chlorobenzene	ND		0.0069	3	1	03/02/09 19:27	TDD	2995042
Chloroethane	ND		0.0069	0.013	1	03/02/09 19:27	TDD	2995042
Chloroform	ND		0.0069	0.046	1	03/02/09 19:27	TDD	2995042
Chloromethane	ND		0.014	0.1	1	03/02/09 19:27	TDD	2995042
Dibromochloromethane	ND		0.0069	1	1	03/02/09 19:27	TDD	2995042
Ethylbenzene	ND		0.0069	19	1	03/02/09 19:27	TDD	2995042
Hexachloroethane	ND		0.0069	0.17	1	03/02/09 19:27	TDD	2995042
Isobutyl alcohol	ND		0.14	30	1	03/02/09 19:27	TDD	2995042
Methyl tert-butyl ether	ND		0.0069	0.077	1	03/02/09 19:27	TDD	2995042
Methylene chloride	ND		0.014	0.017	1	03/02/09 19:27	TDD	2995042
Styrene	ND		0.0069	11	1	03/02/09 19:27	TDD	2995042
Tetrachloroethene	ND		0.0069	0.18	1	03/02/09 19:27	TDD	2995042
Toluene	ND		0.0069	20	1	03/02/09 19:27	TDD	2995042
Trichloroethene	ND		0.0069	0.073	1	03/02/09 19:27	TDD	2995042
Trichlorofluoromethane	ND		0.0069	37	1	03/02/09 19:27	TDD	2995042
Vinyl chloride	ND		0.0069	0.013	1	03/02/09 19:27	TDD	2995042
cis-1,3-Dichloropropene	ND		0.0069	0.04	1	03/02/09 19:27	TDD	2995042
trans-1,3-Dichloropropene	ND		0.0069	0.04	1	03/02/09 19:27	TDD	2995042

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

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

Client Sample ID: SD-3507ACE-17ST-B2 **Collected:** 02/26/2009 10:30 **SPL Sample ID:** 09021066-08

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.0069	0.49	1	03/02/09 19:27	TDD	2995042
trans-1,2-Dichloroethene	ND			0.0069	0.77	1	03/02/09 19:27	TDD	2995042
m,p-Xylene	ND			0.0069	150	1	03/02/09 19:27	TDD	2995042
o-Xylene	ND			0.0069	150	1	03/02/09 19:27	TDD	2995042
1,3-Dichloropropene,Total	ND			0.0069	0.04	1	03/02/09 19:27	TDD	2995042
1,2-Dichloroethene (total)	ND			0.0069	0.49	1	03/02/09 19:27	TDD	2995042
Xylenes,Total	ND			0.0069	150	1	03/02/09 19:27	TDD	2995042
Surr: 1,2-Dichloroethane-d4	110		%	67-158		1	03/02/09 19:27	TDD	2995042
Surr: 4-Bromofluorobenzene	99.2		%	84-112		1	03/02/09 19:27	TDD	2995042
Surr: Toluene-d8	103		%	89-112		1	03/02/09 19:27	TDD	2995042

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	02/27/2009 17:00	cah	1.39

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
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LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SD-3507ACE-17ST-B1 **Collected:** 02/26/2009 10:00 **SPL Sample ID:** 09021066-09

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015B					**MCL**	**SW8015B**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	14			3.3	65	1	03/03/09 3:14	DF	2994956
Surr: o-Terphenyl	69.3		%	12-145		1	03/03/09 3:14	DF	2994956

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/27/2009 10:39	JT	1.00

RECAP GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/Kg**		
Gasoline Range Organics (C6-C10)	ND			7.4	65	50	03/01/09 8:52	JAP	2992771
Surr: 1,4-Difluorobenzene	93.1		%	56-151		50	03/01/09 8:52	JAP	2992771
Surr: 4-Bromofluorobenzene	96.4		%	55-148		50	03/01/09 8:52	JAP	2992771

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	02/27/2009 17:06	cah	1.47

RECAP OIL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/Kg**		
Oil Range Organics (C28-C35)	7.7			3.3	180	1	03/03/09 3:14	DF	2994978
Surr: o-Terphenyl	69.1		%	10-148		1	03/03/09 3:14	DF	2994978

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/27/2009 10:41	JT	1.00

Qualifiers:

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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

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

Client Sample ID: SD-3507ACE-17ST-B1 **Collected:** 02/26/2009 10:00 **SPL Sample ID:** 09021066-09

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP SEMIVOLATILE ORGANICS BY EPA 8270C			**MCL**	**SW8270C**	**Units: mg/Kg**		
1,1-Biphenyl	ND		0.33	1	03/06/09 18:29	RRR	3002227
1,2,4,5-Tetrachlorobenzene	ND		0.17	1	03/06/09 18:29	RRR	3002227
1,2,4-Trichlorobenzene	ND		0.17	1	03/06/09 18:29	RRR	3002227
1,3-Dinitrobenzene	ND		0.17	1	03/06/09 18:29	RRR	3002227
2,3,4,6-Tetrachlorophenol	ND		0.17	1	03/06/09 18:29	RRR	3002227
2,4,5-Trichlorophenol	ND		0.17	1	03/06/09 18:29	RRR	3002227
2,4,6-Trichlorophenol	ND		0.17	1	03/06/09 18:29	RRR	3002227
2,4-Dichlorophenol	ND		0.17	1	03/06/09 18:29	RRR	3002227
2,4-Dimethylphenol	ND		0.17	1	03/06/09 18:29	RRR	3002227
2,4-Dinitrophenol	ND		0.66	1	03/06/09 18:29	RRR	3002227
2,4-Dinitrotoluene	ND		0.17	1	03/06/09 18:29	RRR	3002227
2,6-Dinitrotoluene	ND		0.17	1	03/06/09 18:29	RRR	3002227
2-Chloronaphthalene	ND		0.17	1	03/06/09 18:29	RRR	3002227
2-Chlorophenol	ND		0.17	1	03/06/09 18:29	RRR	3002227
2-Methylnaphthalene	ND		0.033	1	03/06/09 18:29	RRR	3002227
2-Nitroaniline	ND		0.33	1	03/06/09 18:29	RRR	3002227
3,3´-Dichlorobenzidine	ND		0.17	1	03/06/09 18:29	RRR	3002227
3-Nitroaniline	ND		0.33	1	03/06/09 18:29	RRR	3002227
4-Chloroaniline	ND		0.17	1	03/06/09 18:29	RRR	3002227
4-Nitroaniline	ND		0.33	1	03/06/09 18:29	RRR	3002227
4-Nitrophenol	ND		0.66	1	03/06/09 18:29	RRR	3002227
Acenaphthene	ND		0.033	1	03/06/09 18:29	RRR	3002227
Acenaphthylene	ND		0.033	1	03/06/09 18:29	RRR	3002227
Aniline	ND		0.065	1	03/06/09 18:29	RRR	3002227
Anthracene	ND		0.033	1	03/06/09 18:29	RRR	3002227
Benz(a)anthracene	ND		0.033	1	03/06/09 18:29	RRR	3002227
Benzo(a)pyrene	ND		0.033	1	03/06/09 18:29	RRR	3002227
Benzo(b)fluoranthene	ND		0.033	1	03/06/09 18:29	RRR	3002227
Benzo(k)fluoranthene	0.082		0.033	1	03/06/09 18:29	RRR	3002227
Bis(2-chloroethyl)ether	ND		0.17	1	03/06/09 18:29	RRR	3002227
Bis(2-chloroisopropyl)ether	ND		0.17	1	03/06/09 18:29	RRR	3002227
Bis(2-ethylhexyl)phthalate	ND		0.17	1	03/06/09 18:29	RRR	3002227
Butyl benzyl phthalate	ND		0.17	1	03/06/09 18:29	RRR	3002227
Chrysene	ND		0.033	1	03/06/09 18:29	RRR	3002227
Dibenz(a,h)anthracene	ND		0.033	1	03/06/09 18:29	RRR	3002227
Dibenzofuran	ND		0.17	1	03/06/09 18:29	RRR	3002227
Diethyl phthalate	ND		0.17	1	03/06/09 18:29	RRR	3002227
Dimethyl phthalate	ND		0.17	1	03/06/09 18:29	RRR	3002227
Di-n-octyl phthalate	ND		0.17	1	03/06/09 18:29	RRR	3002227

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

Client Sample ID: SD-3507ACE-17ST-B1 **Collected:** 02/26/2009 10:00 **SPL Sample ID:** 09021066-09

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Fluoranthene	ND			0.033	1	03/06/09 18:29	RRR	3002227
Fluorene	ND			0.033	1	03/06/09 18:29	RRR	3002227
Hexachlorobenzene	ND			0.17	1	03/06/09 18:29	RRR	3002227
Hexachlorobutadiene	ND			0.17	1	03/06/09 18:29	RRR	3002227
Hexachlorocyclopentadiene	ND			0.33	1	03/06/09 18:29	RRR	3002227
Indeno(1,2,3-cd)pyrene	ND			0.033	1	03/06/09 18:29	RRR	3002227
Isophorone	ND			0.17	1	03/06/09 18:29	RRR	3002227
Naphthalene	ND			0.033	1	03/06/09 18:29	RRR	3002227
Nitrobenzene	ND			0.17	1	03/06/09 18:29	RRR	3002227
N-Nitrosodi-n-propylamine	ND			0.17	1	03/06/09 18:29	RRR	3002227
N-Nitrosodiphenylamine	ND			0.17	1	03/06/09 18:29	RRR	3002227
Pentachlorophenol	ND			0.66	1	03/06/09 18:29	RRR	3002227
Phenanthrene	ND			0.033	1	03/06/09 18:29	RRR	3002227
Phenol	ND			0.17	1	03/06/09 18:29	RRR	3002227
Pyrene	ND			0.033	1	03/06/09 18:29	RRR	3002227
Surr: 2,4,6-Tribromophenol	69.1		%	10-170	1	03/06/09 18:29	RRR	3002227
Surr: 2-Fluorobiphenyl	75.5		%	35-116	1	03/06/09 18:29	RRR	3002227
Surr: 2-Fluorophenol	67.1		%	16-139	1	03/06/09 18:29	RRR	3002227
Surr: 4-Terphenyl-d14	85.4		%	30-145	1	03/06/09 18:29	RRR	3002227
Surr: Nitrobenzene-d5	81.7		%	10-152	1	03/06/09 18:29	RRR	3002227
Surr: Phenol-d5	66.3		%	17-151	1	03/06/09 18:29	RRR	3002227

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	03/06/2009 7:37	JT	1.00

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TNTC - Too numerous to count
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D - Surrogate Recovery Unreportable due to Dilution
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LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SD-3507ACE-17ST-B1 **Collected:** 02/26/2009 10:00 **SPL Sample ID:** 09021066-09

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS-RECAP METHOD 8260B				**MCL**	**SW8260B**	**Units: mg/Kg**		
1,1,1,2-Tetrachloroethane	ND		0.0062	2.7	1	02/28/09 19:05	TDD	2992519
1,1,1-Trichloroethane	ND		0.0062	4	1	02/28/09 19:05	TDD	2992519
1,1,2,2-Tetrachloroethane	ND		0.0025	0.006	1	02/28/09 19:05	TDD	2992519
1,1,2-Trichloroethane	ND		0.0062	0.058	1	02/28/09 19:05	TDD	2992519
1,1-Dichloroethane	ND		0.0062	7.5	1	02/28/09 19:05	TDD	2992519
1,1-Dichloroethene	ND		0.0062	0.085	1	02/28/09 19:05	TDD	2992519
1,2-Dibromo-3-chloropropane	ND		0.0038	0.01	1	02/28/09 19:05	TDD	2992519
1,2-Dichlorobenzene	ND		0.0062	18	1	02/28/09 19:05	TDD	2992519
1,2-Dichloroethane	ND		0.0062	0.035	1	02/28/09 19:05	TDD	2992519
1,2-Dichloropropane	ND		0.0062	0.042	1	02/28/09 19:05	TDD	2992519
1,3-Dichlorobenzene	ND		0.0062	2.3	1	02/28/09 19:05	TDD	2992519
1,4-Dichlorobenzene	ND		0.0062	5.7	1	02/28/09 19:05	TDD	2992519
2-Butanone	ND		0.025	5	1	02/28/09 19:05	TDD	2992519
4-Methyl-2-pentanone	ND		0.012	0.45	1	02/28/09 19:05	TDD	2992519
Acetone	ND		0.12	1.5	1	02/28/09 19:05	TDD	2992519
Benzene	ND		0.0062	0.051	1	02/28/09 19:05	TDD	2992519
Bromodichloromethane	ND		0.0062	0.92	1	02/28/09 19:05	TDD	2992519
Bromoform	ND		0.0062	1.8	1	02/28/09 19:05	TDD	2992519
Bromomethane	ND		0.012	0.035	1	02/28/09 19:05	TDD	2992519
Carbon disulfide	ND		0.0062	11	1	02/28/09 19:05	TDD	2992519
Carbon tetrachloride	ND		0.0062	0.11	1	02/28/09 19:05	TDD	2992519
Chlorobenzene	ND		0.0062	3	1	02/28/09 19:05	TDD	2992519
Chloroethane	ND		0.0062	0.013	1	02/28/09 19:05	TDD	2992519
Chloroform	ND		0.0062	0.046	1	02/28/09 19:05	TDD	2992519
Chloromethane	ND		0.012	0.1	1	02/28/09 19:05	TDD	2992519
Dibromochloromethane	ND		0.0062	1	1	02/28/09 19:05	TDD	2992519
Ethylbenzene	ND		0.0062	19	1	02/28/09 19:05	TDD	2992519
Hexachloroethane	ND		0.0062	0.17	1	02/28/09 19:05	TDD	2992519
Isobutyl alcohol	ND		0.12	30	1	02/28/09 19:05	TDD	2992519
Methyl tert-butyl ether	ND		0.0062	0.077	1	02/28/09 19:05	TDD	2992519
Methylene chloride	ND		0.012	0.017	1	02/28/09 19:05	TDD	2992519
Styrene	ND		0.0062	11	1	02/28/09 19:05	TDD	2992519
Tetrachloroethene	ND		0.0062	0.18	1	02/28/09 19:05	TDD	2992519
Toluene	ND		0.0062	20	1	02/28/09 19:05	TDD	2992519
Trichloroethene	ND		0.0062	0.073	1	02/28/09 19:05	TDD	2992519
Trichlorofluoromethane	ND		0.0062	37	1	02/28/09 19:05	TDD	2992519
Vinyl chloride	ND		0.0062	0.013	1	02/28/09 19:05	TDD	2992519
cis-1,3-Dichloropropene	ND		0.0062	0.04	1	02/28/09 19:05	TDD	2992519
trans-1,3-Dichloropropene	ND		0.0062	0.04	1	02/28/09 19:05	TDD	2992519

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

Client Sample ID: SD-3507ACE-17ST-B1 **Collected:** 02/26/2009 10:00 **SPL Sample ID:** 09021066-09

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.0062	0.49	1	02/28/09 19:05	TDD	2992519
trans-1,2-Dichloroethene	ND			0.0062	0.77	1	02/28/09 19:05	TDD	2992519
m,p-Xylene	ND			0.0062	150	1	02/28/09 19:05	TDD	2992519
o-Xylene	ND			0.0062	150	1	02/28/09 19:05	TDD	2992519
1,3-Dichloropropene,Total	ND			0.0062	0.04	1	02/28/09 19:05	TDD	2992519
1,2-Dichloroethene (total)	ND			0.0062	0.49	1	02/28/09 19:05	TDD	2992519
Xylenes,Total	ND			0.0062	150	1	02/28/09 19:05	TDD	2992519
Surr: 1,2-Dichloroethane-d4	107		%	67-158		1	02/28/09 19:05	TDD	2992519
Surr: 4-Bromofluorobenzene	94.0		%	84-112		1	02/28/09 19:05	TDD	2992519
Surr: Toluene-d8	99.7		%	89-112		1	02/28/09 19:05	TDD	2992519

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	02/27/2009 17:05	cah	1.25

Qualifiers:

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J - Estimated Value between MDL and PQL
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TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
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MI - Matrix Interference

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

Client Sample ID: SD-3507ACE-17ST-B1A **Collected:** 02/26/2009 10:00 **SPL Sample ID:** 09021066-10

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015B					**MCL**	**SW8015B**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	27			3.3	65	1	03/03/09 3:33	DF	2994957
Surr: o-Terphenyl	79.1		%	12-145		1	03/03/09 3:33	DF	2994957

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/27/2009 10:39	JT	1.00

RECAP GASOLINE RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/Kg**		
Gasoline Range Organics (C6-C10)	ND			7.4	65	50	03/01/09 9:21	JAP	2992772
Surr: 1,4-Difluorobenzene	93.5		%	56-151		50	03/01/09 9:21	JAP	2992772
Surr: 4-Bromofluorobenzene	96.6		%	55-148		50	03/01/09 9:21	JAP	2992772

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	02/27/2009 17:10	cah	1.47

RECAP OIL RANGE ORGANICS					**MCL**	**SW8015B**	**Units: mg/Kg**		
Oil Range Organics (C28-C35)	29			3.3	180	1	03/03/09 3:33	DF	2994979
Surr: o-Terphenyl	79.0		%	10-148		1	03/03/09 3:33	DF	2994979

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/27/2009 10:41	JT	1.00

Qualifiers:

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B/V - Analyte detected in the associated Method Blank
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J - Estimated Value between MDL and PQL
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TNTC - Too numerous to count
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LAFAYETTE LABORATORY
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Client Sample ID: SD-3507ACE-17ST-B1A **Collected:** 02/26/2009 10:00 **SPL Sample ID:** 09021066-10

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP SEMIVOLATILE ORGANICS BY EPA 8270C			**MCL**	**SW8270C**	**Units: mg/Kg**		
1,1-Biphenyl	ND		0.33	1	03/06/09 18:49	RRR	3002228
1,2,4,5-Tetrachlorobenzene	ND		0.17	1	03/06/09 18:49	RRR	3002228
1,2,4-Trichlorobenzene	ND		0.17	1	03/06/09 18:49	RRR	3002228
1,3-Dinitrobenzene	ND		0.17	1	03/06/09 18:49	RRR	3002228
2,3,4,6-Tetrachlorophenol	ND		0.17	1	03/06/09 18:49	RRR	3002228
2,4,5-Trichlorophenol	ND		0.17	1	03/06/09 18:49	RRR	3002228
2,4,6-Trichlorophenol	ND		0.17	1	03/06/09 18:49	RRR	3002228
2,4-Dichlorophenol	ND		0.17	1	03/06/09 18:49	RRR	3002228
2,4-Dimethylphenol	ND		0.17	1	03/06/09 18:49	RRR	3002228
2,4-Dinitrophenol	ND		0.66	1	03/06/09 18:49	RRR	3002228
2,4-Dinitrotoluene	ND		0.17	1	03/06/09 18:49	RRR	3002228
2,6-Dinitrotoluene	ND		0.17	1	03/06/09 18:49	RRR	3002228
2-Chloronaphthalene	ND		0.17	1	03/06/09 18:49	RRR	3002228
2-Chlorophenol	ND		0.17	1	03/06/09 18:49	RRR	3002228
2-Methylnaphthalene	ND		0.033	1	03/06/09 18:49	RRR	3002228
2-Nitroaniline	ND		0.33	1	03/06/09 18:49	RRR	3002228
3,3´-Dichlorobenzidine	ND		0.17	1	03/06/09 18:49	RRR	3002228
3-Nitroaniline	ND		0.33	1	03/06/09 18:49	RRR	3002228
4-Chloroaniline	ND		0.17	1	03/06/09 18:49	RRR	3002228
4-Nitroaniline	ND		0.33	1	03/06/09 18:49	RRR	3002228
4-Nitrophenol	ND		0.66	1	03/06/09 18:49	RRR	3002228
Acenaphthene	ND		0.033	1	03/06/09 18:49	RRR	3002228
Acenaphthylene	ND		0.033	1	03/06/09 18:49	RRR	3002228
Aniline	ND		0.065	1	03/06/09 18:49	RRR	3002228
Anthracene	ND		0.033	1	03/06/09 18:49	RRR	3002228
Benz(a)anthracene	0.053		0.033	1	03/06/09 18:49	RRR	3002228
Benzo(a)pyrene	0.041		0.033	1	03/06/09 18:49	RRR	3002228
Benzo(b)fluoranthene	0.049		0.033	1	03/06/09 18:49	RRR	3002228
Benzo(k)fluoranthene	0.094		0.033	1	03/06/09 18:49	RRR	3002228
Bis(2-chloroethyl)ether	ND		0.17	1	03/06/09 18:49	RRR	3002228
Bis(2-chloroisopropyl)ether	ND		0.17	1	03/06/09 18:49	RRR	3002228
Bis(2-ethylhexyl)phthalate	ND		0.17	1	03/06/09 18:49	RRR	3002228
Butyl benzyl phthalate	ND		0.17	1	03/06/09 18:49	RRR	3002228
Chrysene	0.053		0.033	1	03/06/09 18:49	RRR	3002228
Dibenz(a,h)anthracene	ND		0.033	1	03/06/09 18:49	RRR	3002228
Dibenzofuran	ND		0.17	1	03/06/09 18:49	RRR	3002228
Diethyl phthalate	ND		0.17	1	03/06/09 18:49	RRR	3002228
Dimethyl phthalate	ND		0.17	1	03/06/09 18:49	RRR	3002228
Di-n-octyl phthalate	ND		0.17	1	03/06/09 18:49	RRR	3002228

Qualifiers:

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TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
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MI - Matrix Interference

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

Client Sample ID: SD-3507ACE-17ST-B1A **Collected:** 02/26/2009 10:00 **SPL Sample ID:** 09021066-10

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Fluoranthene	ND			0.033	1	03/06/09 18:49	RRR	3002228
Fluorene	ND			0.033	1	03/06/09 18:49	RRR	3002228
Hexachlorobenzene	ND			0.17	1	03/06/09 18:49	RRR	3002228
Hexachlorobutadiene	ND			0.17	1	03/06/09 18:49	RRR	3002228
Hexachlorocyclopentadiene	ND			0.33	1	03/06/09 18:49	RRR	3002228
Indeno(1,2,3-cd)pyrene	ND			0.033	1	03/06/09 18:49	RRR	3002228
Isophorone	ND			0.17	1	03/06/09 18:49	RRR	3002228
Naphthalene	ND			0.033	1	03/06/09 18:49	RRR	3002228
Nitrobenzene	ND			0.17	1	03/06/09 18:49	RRR	3002228
N-Nitrosodi-n-propylamine	ND			0.17	1	03/06/09 18:49	RRR	3002228
N-Nitrosodiphenylamine	ND			0.17	1	03/06/09 18:49	RRR	3002228
Pentachlorophenol	ND			0.66	1	03/06/09 18:49	RRR	3002228
Phenanthrene	0.041			0.033	1	03/06/09 18:49	RRR	3002228
Phenol	ND			0.17	1	03/06/09 18:49	RRR	3002228
Pyrene	0.08			0.033	1	03/06/09 18:49	RRR	3002228
Surr: 2,4,6-Tribromophenol	76.5		%	10-170	1	03/06/09 18:49	RRR	3002228
Surr: 2-Fluorobiphenyl	81.3		%	35-116	1	03/06/09 18:49	RRR	3002228
Surr: 2-Fluorophenol	66.4		%	16-139	1	03/06/09 18:49	RRR	3002228
Surr: 4-Terphenyl-d14	83.5		%	30-145	1	03/06/09 18:49	RRR	3002228
Surr: Nitrobenzene-d5	91.0		%	10-152	1	03/06/09 18:49	RRR	3002228
Surr: Phenol-d5	78.1		%	17-151	1	03/06/09 18:49	RRR	3002228

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	03/06/2009 7:37	JT	1.00

Qualifiers:

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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

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

Client Sample ID: SD-3507ACE-17ST-B1A **Collected:** 02/26/2009 10:00 **SPL Sample ID:** 09021066-10

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS-RECAP METHOD 8260B				**MCL**	**SW8260B**	**Units: mg/Kg**		
1,1,1,2-Tetrachloroethane	ND		0.0062	2.7	1	02/28/09 19:32	TDD	2992520
1,1,1-Trichloroethane	ND		0.0062	4	1	02/28/09 19:32	TDD	2992520
1,1,2,2-Tetrachloroethane	ND		0.0025	0.006	1	02/28/09 19:32	TDD	2992520
1,1,2-Trichloroethane	ND		0.0062	0.058	1	02/28/09 19:32	TDD	2992520
1,1-Dichloroethane	ND		0.0062	7.5	1	02/28/09 19:32	TDD	2992520
1,1-Dichloroethene	ND		0.0062	0.085	1	02/28/09 19:32	TDD	2992520
1,2-Dibromo-3-chloropropane	ND		0.0038	0.01	1	02/28/09 19:32	TDD	2992520
1,2-Dichlorobenzene	ND		0.0062	18	1	02/28/09 19:32	TDD	2992520
1,2-Dichloroethane	ND		0.0062	0.035	1	02/28/09 19:32	TDD	2992520
1,2-Dichloropropane	ND		0.0062	0.042	1	02/28/09 19:32	TDD	2992520
1,3-Dichlorobenzene	ND		0.0062	2.3	1	02/28/09 19:32	TDD	2992520
1,4-Dichlorobenzene	ND		0.0062	5.7	1	02/28/09 19:32	TDD	2992520
2-Butanone	ND		0.025	5	1	02/28/09 19:32	TDD	2992520
4-Methyl-2-pentanone	ND		0.012	0.45	1	02/28/09 19:32	TDD	2992520
Acetone	ND		0.12	1.5	1	02/28/09 19:32	TDD	2992520
Benzene	ND		0.0062	0.051	1	02/28/09 19:32	TDD	2992520
Bromodichloromethane	ND		0.0062	0.92	1	02/28/09 19:32	TDD	2992520
Bromoform	ND		0.0062	1.8	1	02/28/09 19:32	TDD	2992520
Bromomethane	ND		0.012	0.035	1	02/28/09 19:32	TDD	2992520
Carbon disulfide	0.0064		0.0062	11	1	02/28/09 19:32	TDD	2992520
Carbon tetrachloride	ND		0.0062	0.11	1	02/28/09 19:32	TDD	2992520
Chlorobenzene	ND		0.0062	3	1	02/28/09 19:32	TDD	2992520
Chloroethane	ND		0.0062	0.013	1	02/28/09 19:32	TDD	2992520
Chloroform	ND		0.0062	0.046	1	02/28/09 19:32	TDD	2992520
Chloromethane	ND		0.012	0.1	1	02/28/09 19:32	TDD	2992520
Dibromochloromethane	ND		0.0062	1	1	02/28/09 19:32	TDD	2992520
Ethylbenzene	ND		0.0062	19	1	02/28/09 19:32	TDD	2992520
Hexachloroethane	ND		0.0062	0.17	1	02/28/09 19:32	TDD	2992520
Isobutyl alcohol	ND		0.12	30	1	02/28/09 19:32	TDD	2992520
Methyl tert-butyl ether	ND		0.0062	0.077	1	02/28/09 19:32	TDD	2992520
Methylene chloride	ND		0.012	0.017	1	02/28/09 19:32	TDD	2992520
Styrene	ND		0.0062	11	1	02/28/09 19:32	TDD	2992520
Tetrachloroethene	ND		0.0062	0.18	1	02/28/09 19:32	TDD	2992520
Toluene	ND		0.0062	20	1	02/28/09 19:32	TDD	2992520
Trichloroethene	ND		0.0062	0.073	1	02/28/09 19:32	TDD	2992520
Trichlorofluoromethane	ND		0.0062	37	1	02/28/09 19:32	TDD	2992520
Vinyl chloride	ND		0.0062	0.013	1	02/28/09 19:32	TDD	2992520
cis-1,3-Dichloropropene	ND		0.0062	0.04	1	02/28/09 19:32	TDD	2992520
trans-1,3-Dichloropropene	ND		0.0062	0.04	1	02/28/09 19:32	TDD	2992520

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E - Estimated Value exceeds calibration curve
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>MCL - Result Over Maximum Contamination Limit(MCL)
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LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SD-3507ACE-17ST-B1A **Collected:** 02/26/2009 10:00 **SPL Sample ID:** 09021066-10

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.0062	0.49	1	02/28/09 19:32	TDD	2992520
trans-1,2-Dichloroethene	ND			0.0062	0.77	1	02/28/09 19:32	TDD	2992520
m,p-Xylene	ND			0.0062	150	1	02/28/09 19:32	TDD	2992520
o-Xylene	ND			0.0062	150	1	02/28/09 19:32	TDD	2992520
1,3-Dichloropropene,Total	ND			0.0062	0.04	1	02/28/09 19:32	TDD	2992520
1,2-Dichloroethene (total)	ND			0.0062	0.49	1	02/28/09 19:32	TDD	2992520
Xylenes,Total	ND			0.00625	150	1	02/28/09 19:32	TDD	2992520
Surr: 1,2-Dichloroethane-d4	117		%	67-158		1	02/28/09 19:32	TDD	2992520
Surr: 4-Bromofluorobenzene	93.9		%	84-112		1	02/28/09 19:32	TDD	2992520
Surr: Toluene-d8	108		%	89-112		1	02/28/09 19:32	TDD	2992520

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	02/27/2009 17:09	cah	1.25

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

Client Sample ID: SD-3507ACE-ORL-WASTE **Collected:** 02/26/2009 12:10 **SPL Sample ID:** 09021066-11

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
TCLP CHLORINATED HERBICIDES					**MCL**	**SW8151A**	**Units: mg/L**		
2,4,5-TP (Silvex)	ND			0.001	1	1	03/06/09 17:14	RAH	3001633
2,4-D	ND			0.01	10	1	03/06/09 17:14	RAH	3001633
Surr: DCAA	72.4		%	42-118		1	03/06/09 17:14	RAH	3001633

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	03/05/2009 10:50	JB	1.00	SW1311	02/27/2009	KT

TCLP MERCURY					MCL	SW7470A	Units: mg/L		
Mercury	ND			0.02	0.2	1	03/03/09 15:59	PFB	2995425

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW7470A	03/02/2009 8:00	PFB	1.00	SW1311	02/27/2009	KT

TCLP METALS BY METHOD 6010B					MCL	SW6010B	Units: mg/L		
Arsenic	ND			0.2	5	1	03/03/09 12:33	SVW	2994930
Barium	0.323			0.25	100	1	03/03/09 12:33	SVW	2994930
Cadmium	ND			0.1	1	1	03/03/09 12:33	SVW	2994930
Chromium	ND			0.1	5	1	03/03/09 12:33	SVW	2994930
Lead	1.07			0.2	5	1	03/03/09 12:33	SVW	2994930
Selenium	ND			0.2	1	1	03/03/09 12:33	SVW	2994930
Silver	ND			0.1	5	1	03/03/09 12:33	SVW	2994930

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3010A	03/02/2009 17:00	SA	1.00	SW1311	02/27/2009	KT

TCLP ORGANOCHLORINE PESTICIDES					MCL	SW8081	Units: mg/L		
Chlordane	ND			0.002	0.03	1	03/04/09 2:12	RAH	2996812
Endrin	ND			0.0005	0.02	1	03/04/09 2:12	RAH	2996812
gamma-BHC	ND			0.0005	0.4	1	03/04/09 2:12	RAH	2996812
Heptachlor	ND			0.0005	0.008	1	03/04/09 2:12	RAH	2996812
Heptachlor epoxide	ND			0.0005	0.008	1	03/04/09 2:12	RAH	2996812
Methoxychlor	ND			0.0005	10	1	03/04/09 2:12	RAH	2996812
Toxaphene	ND			0.05	0.5	1	03/04/09 2:12	RAH	2996812
Surr: Decachlorobiphenyl	55.5		%	10-144		1	03/04/09 2:12	RAH	2996812
Surr: Tetrachloro-m-xylene	57.8		%	10-179		1	03/04/09 2:12	RAH	2996812

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	03/03/2009 12:32	JB	1.00	SW1311	02/27/2009	KT

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

Client Sample ID: SD-3507ACE-ORL-WASTE **Collected:** 02/26/2009 12:10 **SPL Sample ID:** 09021066-11

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
TCLP SEMIVOLATILE ORGANICS BY EPA 8270C					**MCL**	**SW8270C**	**Units: mg/L**		
1,4-Dichlorobenzene	ND			0.05	7.5	1	03/05/09 15:28	KTK	2999644
2,4,5-Trichlorophenol	ND			0.05	400	1	03/05/09 15:28	KTK	2999644
2,4,6-Trichlorophenol	ND			0.05	2	1	03/05/09 15:28	KTK	2999644
2,4-Dinitrotoluene	ND			0.05	0.13	1	03/05/09 15:28	KTK	2999644
Hexachlorobenzene	ND			0.05	0.13	1	03/05/09 15:28	KTK	2999644
Hexachlorobutadiene	ND			0.05	0.5	1	03/05/09 15:28	KTK	2999644
Hexachloroethane	ND			0.05	3	1	03/05/09 15:28	KTK	2999644
Nitrobenzene	ND			0.05	2	1	03/05/09 15:28	KTK	2999644
Pentachlorophenol	ND			0.2	100	1	03/05/09 15:28	KTK	2999644
Pyridine	ND			0.05	5	1	03/05/09 15:28	KTK	2999644
m,p-Cresols	ND			0.05	200	1	03/05/09 15:28	KTK	2999644
o-Cresol	ND			0.05	200	1	03/05/09 15:28	KTK	2999644
Surr: 2,4,6-Tribromophenol	59.0		%	39-152		1	03/05/09 15:28	KTK	2999644
Surr: 2-Fluorobiphenyl	97.6		%	41-125		1	03/05/09 15:28	KTK	2999644
Surr: 2-Fluorophenol	27.8		%	10-114		1	03/05/09 15:28	KTK	2999644
Surr: 4-Terphenyl-d14	172	*	%	34-135		1	03/05/09 15:28	KTK	2999644
Surr: Nitrobenzene-d5	80.1		%	36-126		1	03/05/09 15:28	KTK	2999644
Surr: Phenol-d5	18.5		%	10-84.1		1	03/05/09 15:28	KTK	2999644

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	03/03/2009 10:39	JB	1.00	SW1311	02/27/2009	KT

TCLP VOLATILE ORGANICS					MCL	SW8260B	Units: mg/L		
1,1-Dichloroethene	ND			0.05	0.7	10	03/03/09 18:09	DN	2995974
1,2-Dichloroethane	ND			0.05	0.5	10	03/03/09 18:09	DN	2995974
2-Butanone	ND			0.1	200	10	03/03/09 18:09	DN	2995974
Benzene	ND			0.05	0.5	10	03/03/09 18:09	DN	2995974
Carbon tetrachloride	ND			0.05	0.5	10	03/03/09 18:09	DN	2995974
Chlorobenzene	ND			0.05	100	10	03/03/09 18:09	DN	2995974
Chloroform	ND			0.05	6	10	03/03/09 18:09	DN	2995974
Tetrachloroethene	ND			0.05	0.7	10	03/03/09 18:09	DN	2995974
Trichloroethene	ND			0.05	0.5	10	03/03/09 18:09	DN	2995974
Vinyl chloride	ND			0.1	0.2	10	03/03/09 18:09	DN	2995974
Surr: 1,2-Dichloroethane-d4	87.0		%	71-116		10	03/03/09 18:09	DN	2995974
Surr: 4-Bromofluorobenzene	98.5		%	86-109		10	03/03/09 18:09	DN	2995974
Surr: Toluene-d8	97.3		%	90-109		10	03/03/09 18:09	DN	2995974

Leach Method	Leachate Date	Leach Initials
SW1311	02/27/2009	KT

Qualifiers:

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MI - Matrix Interference

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

Client Sample ID: SD-3507ACE-LON-WASTE **Collected:** 02/26/2009 13:20 **SPL Sample ID:** 09021066-12

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
TCLP CHLORINATED HERBICIDES					**MCL**	**SW8151A**	**Units: mg/L**		
2,4,5-TP (Silvex)	ND			0.001	1	1	03/06/09 17:45	RAH	3001634
2,4-D	ND			0.01	10	1	03/06/09 17:45	RAH	3001634
Surr: DCAA	43.6		%	42-118		1	03/06/09 17:45	RAH	3001634

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	03/05/2009 10:50	JB	1.00	SW1311	02/27/2009	KT

TCLP MERCURY					MCL	SW7470A	Units: mg/L		
Mercury	ND			0.02	0.2	1	03/03/09 16:16	PFB	2995429

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW7470A	03/02/2009 8:00	PFB	1.00	SW1311	02/27/2009	KT

TCLP METALS BY METHOD 6010B					MCL	SW6010B	Units: mg/L		
Arsenic	ND			0.2	5	1	03/03/09 13:07	SVW	2994937
Barium	0.316			0.25	100	1	03/03/09 13:07	SVW	2994937
Cadmium	ND			0.1	1	1	03/03/09 13:07	SVW	2994937
Chromium	ND			0.1	5	1	03/03/09 13:07	SVW	2994937
Lead	ND			0.2	5	1	03/03/09 13:07	SVW	2994937
Selenium	ND			0.2	1	1	03/03/09 13:07	SVW	2994937
Silver	ND			0.1	5	1	03/03/09 13:07	SVW	2994937

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3010A	03/02/2009 17:00	SA	1.00	SW1311	02/27/2009	KT

TCLP ORGANOCHLORINE PESTICIDES					MCL	SW8081	Units: mg/L		
Chlordane	ND			0.002	0.03	1	03/04/09 3:26	RAH	2996815
Endrin	ND			0.0005	0.02	1	03/04/09 3:26	RAH	2996815
gamma-BHC	ND			0.0005	0.4	1	03/04/09 3:26	RAH	2996815
Heptachlor	ND			0.0005	0.008	1	03/04/09 3:26	RAH	2996815
Heptachlor epoxide	ND			0.0005	0.008	1	03/04/09 3:26	RAH	2996815
Methoxychlor	ND			0.0005	10	1	03/04/09 3:26	RAH	2996815
Toxaphene	ND			0.05	0.5	1	03/04/09 3:26	RAH	2996815
Surr: Decachlorobiphenyl	48.7		%	10-144		1	03/04/09 3:26	RAH	2996815
Surr: Tetrachloro-m-xylene	57.2		%	10-179		1	03/04/09 3:26	RAH	2996815

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	03/03/2009 12:32	JB	1.00	SW1311	02/27/2009	KT

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

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

Client Sample ID: SD-3507ACE-LON-WASTE **Collected:** 02/26/2009 13:20 **SPL Sample ID:** 09021066-12

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
TCLP SEMIVOLATILE ORGANICS BY EPA 8270C					**MCL**	**SW8270C**	**Units: mg/L**		
1,4-Dichlorobenzene	ND			0.05	7.5	1	03/05/09 16:28	KTK	2999645
2,4,5-Trichlorophenol	ND			0.05	400	1	03/05/09 16:28	KTK	2999645
2,4,6-Trichlorophenol	ND			0.05	2	1	03/05/09 16:28	KTK	2999645
2,4-Dinitrotoluene	ND			0.05	0.13	1	03/05/09 16:28	KTK	2999645
Hexachlorobenzene	ND			0.05	0.13	1	03/05/09 16:28	KTK	2999645
Hexachlorobutadiene	ND			0.05	0.5	1	03/05/09 16:28	KTK	2999645
Hexachloroethane	ND			0.05	3	1	03/05/09 16:28	KTK	2999645
Nitrobenzene	ND			0.05	2	1	03/05/09 16:28	KTK	2999645
Pentachlorophenol	ND			0.2	100	1	03/05/09 16:28	KTK	2999645
Pyridine	ND			0.05	5	1	03/05/09 16:28	KTK	2999645
m,p-Cresols	ND			0.05	200	1	03/05/09 16:28	KTK	2999645
o-Cresol	ND			0.05	200	1	03/05/09 16:28	KTK	2999645
Surr: 2,4,6-Tribromophenol	28.8	*	%	39-152		1	03/05/09 16:28	KTK	2999645
Surr: 2-Fluorobiphenyl	86.5		%	41-125		1	03/05/09 16:28	KTK	2999645
Surr: 2-Fluorophenol	11.5		%	10-114		1	03/05/09 16:28	KTK	2999645
Surr: 4-Terphenyl-d14	158	*	%	34-135		1	03/05/09 16:28	KTK	2999645
Surr: Nitrobenzene-d5	71.3		%	36-126		1	03/05/09 16:28	KTK	2999645
Surr: Phenol-d5	9.50	*	%	10-84.1		1	03/05/09 16:28	KTK	2999645

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	03/03/2009 10:39	JB	1.00	SW1311	02/27/2009	KT

TCLP VOLATILE ORGANICS					MCL	SW8260B	Units: mg/L		
1,1-Dichloroethene	ND			0.05	0.7	10	03/03/09 17:43	DN	2995973
1,2-Dichloroethane	ND			0.05	0.5	10	03/03/09 17:43	DN	2995973
2-Butanone	ND			0.1	200	10	03/03/09 17:43	DN	2995973
Benzene	ND			0.05	0.5	10	03/03/09 17:43	DN	2995973
Carbon tetrachloride	ND			0.05	0.5	10	03/03/09 17:43	DN	2995973
Chlorobenzene	ND			0.05	100	10	03/03/09 17:43	DN	2995973
Chloroform	ND			0.05	6	10	03/03/09 17:43	DN	2995973
Tetrachloroethene	ND			0.05	0.7	10	03/03/09 17:43	DN	2995973
Trichloroethene	ND			0.05	0.5	10	03/03/09 17:43	DN	2995973
Vinyl chloride	ND			0.1	0.2	10	03/03/09 17:43	DN	2995973
Surr: 1,2-Dichloroethane-d4	87.8		%	71-116		10	03/03/09 17:43	DN	2995973
Surr: 4-Bromofluorobenzene	99.2		%	86-109		10	03/03/09 17:43	DN	2995973
Surr: Toluene-d8	98.8		%	90-109		10	03/03/09 17:43	DN	2995973

Leach Method	Leachate Date	Leach Initials
SW1311	02/27/2009	KT

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
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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

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

Client Sample ID: SD-3507ACE-17ST-WASTE **Collected:** 02/26/2009 10:45 **SPL Sample ID:** 09021066-13

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
TCLP CHLORINATED HERBICIDES					**MCL**	**SW8151A**	**Units: mg/L**		
2,4,5-TP (Silvex)	ND			0.001	1	1	03/06/09 18:16	RAH	3001635
2,4-D	ND			0.01	10	1	03/06/09 18:16	RAH	3001635
Surr: DCAA	62.9		%	42-118		1	03/06/09 18:16	RAH	3001635

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	03/05/2009 10:50	JB	1.00	SW1311	02/27/2009	KT

TCLP MERCURY					MCL	SW7470A	Units: mg/L		
Mercury	ND			0.02	0.2	1	03/03/09 16:20	PFB	2995430

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW7470A	03/02/2009 8:00	PFB	1.00	SW1311	02/27/2009	KT

TCLP METALS BY METHOD 6010B					MCL	SW6010B	Units: mg/L		
Arsenic	ND			0.2	5	1	03/03/09 13:12	SVW	2994938
Barium	0.855			0.25	100	1	03/03/09 13:12	SVW	2994938
Cadmium	ND			0.1	1	1	03/03/09 13:12	SVW	2994938
Chromium	ND			0.1	5	1	03/03/09 13:12	SVW	2994938
Lead	ND			0.2	5	1	03/03/09 13:12	SVW	2994938
Selenium	ND			0.2	1	1	03/03/09 13:12	SVW	2994938
Silver	ND			0.1	5	1	03/03/09 13:12	SVW	2994938

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3010A	03/02/2009 17:00	SA	1.00	SW1311	02/27/2009	KT

TCLP ORGANOCHLORINE PESTICIDES					MCL	SW8081	Units: mg/L		
Chlordane	ND			0.002	0.03	1	03/04/09 3:51	RAH	2996816
Endrin	ND			0.0005	0.02	1	03/04/09 3:51	RAH	2996816
gamma-BHC	ND			0.0005	0.4	1	03/04/09 3:51	RAH	2996816
Heptachlor	ND			0.0005	0.008	1	03/04/09 3:51	RAH	2996816
Heptachlor epoxide	ND			0.0005	0.008	1	03/04/09 3:51	RAH	2996816
Methoxychlor	ND			0.0005	10	1	03/04/09 3:51	RAH	2996816
Toxaphene	ND			0.05	0.5	1	03/04/09 3:51	RAH	2996816
Surr: Decachlorobiphenyl	59.0		%	10-144		1	03/04/09 3:51	RAH	2996816
Surr: Tetrachloro-m-xylene	54.5		%	10-179		1	03/04/09 3:51	RAH	2996816

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	03/03/2009 12:32	JB	1.00	SW1311	02/27/2009	KT

Qualifiers:

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

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

Client Sample ID: SD-3507ACE-17ST-WASTE **Collected:** 02/26/2009 10:45 **SPL Sample ID:** 09021066-13

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
TCLP SEMIVOLATILE ORGANICS BY EPA 8270C					**MCL**	**SW8270C**	**Units: mg/L**		
1,4-Dichlorobenzene	ND			0.05	7.5	1	03/05/09 16:48	KTK	2999646
2,4,5-Trichlorophenol	ND			0.05	400	1	03/05/09 16:48	KTK	2999646
2,4,6-Trichlorophenol	ND			0.05	2	1	03/05/09 16:48	KTK	2999646
2,4-Dinitrotoluene	ND			0.05	0.13	1	03/05/09 16:48	KTK	2999646
Hexachlorobenzene	ND			0.05	0.13	1	03/05/09 16:48	KTK	2999646
Hexachlorobutadiene	ND			0.05	0.5	1	03/05/09 16:48	KTK	2999646
Hexachloroethane	ND			0.05	3	1	03/05/09 16:48	KTK	2999646
Nitrobenzene	ND			0.05	2	1	03/05/09 16:48	KTK	2999646
Pentachlorophenol	ND			0.2	100	1	03/05/09 16:48	KTK	2999646
Pyridine	ND			0.05	5	1	03/05/09 16:48	KTK	2999646
m,p-Cresols	ND			0.05	200	1	03/05/09 16:48	KTK	2999646
o-Cresol	ND			0.05	200	1	03/05/09 16:48	KTK	2999646
Surr: 2,4,6-Tribromophenol	30.8	*	%	39-152		1	03/05/09 16:48	KTK	2999646
Surr: 2-Fluorobiphenyl	86.8		%	41-125		1	03/05/09 16:48	KTK	2999646
Surr: 2-Fluorophenol	13.6		%	10-114		1	03/05/09 16:48	KTK	2999646
Surr: 4-Terphenyl-d14	160	*	%	34-135		1	03/05/09 16:48	KTK	2999646
Surr: Nitrobenzene-d5	71.4		%	36-126		1	03/05/09 16:48	KTK	2999646
Surr: Phenol-d5	11.8		%	10-84.1		1	03/05/09 16:48	KTK	2999646

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	03/03/2009 10:39	JB	1.00	SW1311	02/27/2009	KT

TCLP VOLATILE ORGANICS					MCL	SW8260B	Units: mg/L		
1,1-Dichloroethene	ND			0.05	0.7	10	03/03/09 17:17	DN	2995972
1,2-Dichloroethane	ND			0.05	0.5	10	03/03/09 17:17	DN	2995972
2-Butanone	ND			0.1	200	10	03/03/09 17:17	DN	2995972
Benzene	ND			0.05	0.5	10	03/03/09 17:17	DN	2995972
Carbon tetrachloride	ND			0.05	0.5	10	03/03/09 17:17	DN	2995972
Chlorobenzene	ND			0.05	100	10	03/03/09 17:17	DN	2995972
Chloroform	ND			0.05	6	10	03/03/09 17:17	DN	2995972
Tetrachloroethene	ND			0.05	0.7	10	03/03/09 17:17	DN	2995972
Trichloroethene	ND			0.05	0.5	10	03/03/09 17:17	DN	2995972
Vinyl chloride	ND			0.1	0.2	10	03/03/09 17:17	DN	2995972
Surr: 1,2-Dichloroethane-d4	88.1		%	71-116		10	03/03/09 17:17	DN	2995972
Surr: 4-Bromofluorobenzene	98.1		%	86-109		10	03/03/09 17:17	DN	2995972
Surr: Toluene-d8	96.8		%	90-109		10	03/03/09 17:17	DN	2995972

Leach Method	Leachate Date	Leach Initials
SW1311	02/27/2009	KT

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
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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

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

Client Sample ID: SD-3507ACE-ORL-B2 **Collected:** 02/26/2009 11:55 **SPL Sample ID:** 09021066-14

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL BY COLD VAPOR				**MCL**	**SW7471A**	**Units: mg/Kg**		
Mercury	ND		0.1	2300	1	03/04/09 16:03	PFB	2997275

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7471A	03/04/2009 8:00	SVW	1.00

METALS BY METHOD 6020 (ICP/MS), TOTAL				**MCL**	**SW6020**	**Units: mg/Kg**		
Arsenic	2.26		2	12	5	03/03/09 12:32	RJD	2994874
Barium	12.9		5	550	5	03/03/09 12:32	RJD	2994874
Cadmium	ND		1	3.9	5	03/03/09 12:32	RJD	2994874
Chromium	2.02		2	23	5	03/03/09 12:32	RJD	2994874
Lead	2.39		1	100	5	03/03/09 12:32	RJD	2994874
Selenium	ND		5	20	5	03/03/09 12:32	RJD	2994874
Silver	ND		0.5	39	5	03/03/09 12:32	RJD	2994874

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	03/02/2009 12:45	SA	1.00

ORGANOCHLORINE PESTICIDES BY METHOD 8081A - SOIL				**MCL**	**SW8081**	**Units: mg/Kg**		
4,4´-DDD	ND		0.0017	1.5	1	03/04/09 5:30	RAH	2996868
4,4´-DDE	ND		0.0017	1.7	1	03/04/09 5:30	RAH	2996868
4,4´-DDT	ND		0.0017	1.7	1	03/04/09 5:30	RAH	2996868
Aldrin	ND		0.0017	0.028	1	03/04/09 5:30	RAH	2996868
alpha-BHC	ND		0.0017	0.0064	1	03/04/09 5:30	RAH	2996868
beta-BHC	ND		0.0017	0.016	1	03/04/09 5:30	RAH	2996868
Chlordane	ND		0.0067	1.6	1	03/04/09 5:30	RAH	2996868
Dieldrin	ND		0.0017	0.03	1	03/04/09 5:30	RAH	2996868
Endosulfan I	ND		0.0017	34	1	03/04/09 5:30	RAH	2996868
Endosulfan II	ND		0.0017	34	1	03/04/09 5:30	RAH	2996868
Endrin	ND		0.0017	1.8	1	03/04/09 5:30	RAH	2996868
gamma-BHC	ND		0.0017	0.033	1	03/04/09 5:30	RAH	2996868
Heptachlor	ND		0.0017	0.016	1	03/04/09 5:30	RAH	2996868
Heptachlor epoxide	ND		0.0017	0.053	1	03/04/09 5:30	RAH	2996868
Methoxychlor	ND		0.0017	30	1	03/04/09 5:30	RAH	2996868
Toxaphene	ND		0.17	0.44	1	03/04/09 5:30	RAH	2996868
Surr: Decachlorobiphenyl	65.1	%	10-180		1	03/04/09 5:30	RAH	2996868
Surr: Tetrachloro-m-xylene	55.6	%	10-157		1	03/04/09 5:30	RAH	2996868

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/28/2009 8:42	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

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

Client Sample ID: SD-3507ACE-ORL-B2 **Collected:** 02/26/2009 11:55 **SPL Sample ID:** 09021066-14

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL					**MCL**		**SW8082**	**Units: mg/Kg**	
Aroclor 1016	ND			0.033	0.11	1	03/02/09 13:51	LDD	2993803
Aroclor 1221	ND			0.033	0.11	1	03/02/09 13:51	LDD	2993803
Aroclor 1232	ND			0.033	0.11	1	03/02/09 13:51	LDD	2993803
Aroclor 1242	ND			0.033	0.11	1	03/02/09 13:51	LDD	2993803
Aroclor 1248	ND			0.033	0.11	1	03/02/09 13:51	LDD	2993803
Aroclor 1254	ND			0.033	0.11	1	03/02/09 13:51	LDD	2993803
Aroclor 1260	ND			0.033	0.11	1	03/02/09 13:51	LDD	2993803
Surr: Decachlorobiphenyl	97.3		%	10-187		1	03/02/09 13:51	LDD	2993803
Surr: Tetrachloro-m-xylene	94.5		%	10-153		1	03/02/09 13:51	LDD	2993803

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/28/2009 9:08	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

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

Client Sample ID: SD-3507ACE-ORL-B1 **Collected:** 02/26/2009 11:30 **SPL Sample ID:** 09021066-15

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL BY COLD VAPOR				**MCL**	**SW7471A**	**Units: mg/Kg**		
Mercury	ND		0.1	2300	1	03/04/09 16:19	PFB	2997279

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7471A	03/04/2009 8:00	SVW	1.00

METALS BY METHOD 6020 (ICP/MS), TOTAL				**MCL**	**SW6020**	**Units: mg/Kg**		
Arsenic	2.7		2	12	5	03/03/09 12:10	RJD	2994866
Barium	26.9		5	550	5	03/03/09 12:10	RJD	2994866
Cadmium	ND		1	3.9	5	03/03/09 12:10	RJD	2994866
Chromium	5.07		2	23	5	03/03/09 12:10	RJD	2994866
Lead	22.9		1	100	5	03/03/09 12:10	RJD	2994866
Selenium	ND		5	20	5	03/03/09 12:10	RJD	2994866
Silver	ND		0.5	39	5	03/03/09 12:10	RJD	2994866

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	03/02/2009 12:45	SA	1.00

ORGANOCHLORINE PESTICIDES BY METHOD 8081A - SOIL				**MCL**	**SW8081**	**Units: mg/Kg**		
4,4´-DDD	ND		0.0017	1.5	1	03/04/09 6:45	RAH	2996871
4,4´-DDE	ND		0.0017	1.7	1	03/04/09 6:45	RAH	2996871
4,4´-DDT	ND		0.0017	1.7	1	03/04/09 6:45	RAH	2996871
Aldrin	ND		0.0017	0.028	1	03/04/09 6:45	RAH	2996871
alpha-BHC	ND		0.0017	0.0064	1	03/04/09 6:45	RAH	2996871
beta-BHC	ND		0.0017	0.016	1	03/04/09 6:45	RAH	2996871
Chlordane	ND		0.0067	1.6	1	03/04/09 6:45	RAH	2996871
Dieldrin	ND		0.0017	0.03	1	03/04/09 6:45	RAH	2996871
Endosulfan I	ND		0.0017	34	1	03/04/09 6:45	RAH	2996871
Endosulfan II	ND		0.0017	34	1	03/04/09 6:45	RAH	2996871
Endrin	ND		0.0017	1.8	1	03/04/09 6:45	RAH	2996871
gamma-BHC	ND		0.0017	0.033	1	03/04/09 6:45	RAH	2996871
Heptachlor	ND		0.0017	0.016	1	03/04/09 6:45	RAH	2996871
Heptachlor epoxide	ND		0.0017	0.053	1	03/04/09 6:45	RAH	2996871
Methoxychlor	ND		0.0017	30	1	03/04/09 6:45	RAH	2996871
Toxaphene	ND		0.17	0.44	1	03/04/09 6:45	RAH	2996871
Surr: Decachlorobiphenyl	55.2	%	10-180		1	03/04/09 6:45	RAH	2996871
Surr: Tetrachloro-m-xylene	48.0	%	10-157		1	03/04/09 6:45	RAH	2996871

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/28/2009 8:42	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

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

Client Sample ID: SD-3507ACE-ORL-B1 **Collected:** 02/26/2009 11:30 **SPL Sample ID:** 09021066-15

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL					**MCL**		**SW8082**	**Units: mg/Kg**	
Aroclor 1016	ND			0.16	0.11	5	03/02/09 14:13	LDD	2993804
Aroclor 1221	ND			0.16	0.11	5	03/02/09 14:13	LDD	2993804
Aroclor 1232	ND			0.16	0.11	5	03/02/09 14:13	LDD	2993804
Aroclor 1242	ND			0.16	0.11	5	03/02/09 14:13	LDD	2993804
Aroclor 1248	ND			0.16	0.11	5	03/02/09 14:13	LDD	2993804
Aroclor 1254	ND			0.16	0.11	5	03/02/09 14:13	LDD	2993804
Aroclor 1260	ND			0.16	0.11	5	03/02/09 14:13	LDD	2993804
Surr: Decachlorobiphenyl	114		%	10-187		5	03/02/09 14:13	LDD	2993804
Surr: Tetrachloro-m-xylene	99.1		%	10-153		5	03/02/09 14:13	LDD	2993804

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/28/2009 9:08	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

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

Client Sample ID: SD-3507ACE-LON-B2 **Collected:** 02/26/2009 13:10 **SPL Sample ID:** 09021066-16

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL BY COLD VAPOR					**SW7471A**	**Units: mg/Kg**		
Mercury	ND		0.1	2300	1	03/04/09 16:23	PFB	2997280

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7471A	03/04/2009 8:00	SVW	1.00

METALS BY METHOD 6020 (ICP/MS), TOTAL				MCL	SW6020	Units: mg/Kg		
Arsenic	3.9		2	12	5	03/03/09 12:34	RJD	2994875
Barium	57		5	550	5	03/03/09 12:34	RJD	2994875
Cadmium	ND		1	3.9	5	03/03/09 12:34	RJD	2994875
Chromium	9.75		2	23	5	03/03/09 12:34	RJD	2994875
Lead	10.2		1	100	5	03/03/09 12:34	RJD	2994875
Selenium	ND		5	20	5	03/03/09 12:34	RJD	2994875
Silver	ND		0.5	39	5	03/03/09 12:34	RJD	2994875

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	03/02/2009 12:45	SA	1.00

ORGANOCHLORINE PESTICIDES BY METHOD 8081A - SOIL				MCL	SW8081	Units: mg/Kg		
4,4´-DDD	ND		0.0017	1.5	1	03/04/09 7:09	RAH	2996872
4,4´-DDE	ND		0.0017	1.7	1	03/04/09 7:09	RAH	2996872
4,4´-DDT	ND		0.0017	1.7	1	03/04/09 7:09	RAH	2996872
Aldrin	ND		0.0017	0.028	1	03/04/09 7:09	RAH	2996872
alpha-BHC	ND		0.0017	0.0064	1	03/04/09 7:09	RAH	2996872
beta-BHC	ND		0.0017	0.016	1	03/04/09 7:09	RAH	2996872
Chlordane	ND		0.0067	1.6	1	03/04/09 7:09	RAH	2996872
Dieldrin	ND		0.0017	0.03	1	03/04/09 7:09	RAH	2996872
Endosulfan I	ND		0.0017	34	1	03/04/09 7:09	RAH	2996872
Endosulfan II	ND		0.0017	34	1	03/04/09 7:09	RAH	2996872
Endrin	ND		0.0017	1.8	1	03/04/09 7:09	RAH	2996872
gamma-BHC	ND		0.0017	0.033	1	03/04/09 7:09	RAH	2996872
Heptachlor	ND		0.0017	0.016	1	03/04/09 7:09	RAH	2996872
Heptachlor epoxide	ND		0.0017	0.053	1	03/04/09 7:09	RAH	2996872
Methoxychlor	ND		0.0017	30	1	03/04/09 7:09	RAH	2996872
Toxaphene	ND		0.17	0.44	1	03/04/09 7:09	RAH	2996872
Surr: Decachlorobiphenyl	48.1	%	10-180		1	03/04/09 7:09	RAH	2996872
Surr: Tetrachloro-m-xylene	47.1	%	10-157		1	03/04/09 7:09	RAH	2996872

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/28/2009 8:42	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

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

Client Sample ID: SD-3507ACE-LON-B2 **Collected:** 02/26/2009 13:10 **SPL Sample ID:** 09021066-16

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL					**MCL**		**SW8082**	**Units: mg/Kg**	
Aroclor 1016	ND			0.033	0.11	1	03/02/09 14:36	LDD	2993805
Aroclor 1221	ND			0.033	0.11	1	03/02/09 14:36	LDD	2993805
Aroclor 1232	ND			0.033	0.11	1	03/02/09 14:36	LDD	2993805
Aroclor 1242	ND			0.033	0.11	1	03/02/09 14:36	LDD	2993805
Aroclor 1248	ND			0.033	0.11	1	03/02/09 14:36	LDD	2993805
Aroclor 1254	ND			0.033	0.11	1	03/02/09 14:36	LDD	2993805
Aroclor 1260	ND			0.033	0.11	1	03/02/09 14:36	LDD	2993805
Surr: Decachlorobiphenyl	84.2		%	10-187		1	03/02/09 14:36	LDD	2993805
Surr: Tetrachloro-m-xylene	81.2		%	10-153		1	03/02/09 14:36	LDD	2993805

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/28/2009 9:08	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

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

Client Sample ID: SD-3507ACE-LON-B1 **Collected:** 02/26/2009 12:55 **SPL Sample ID:** 09021066-17

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL BY COLD VAPOR						**SW7471A**	**Units: mg/Kg**		
Mercury	ND			0.1	2300	1	03/04/09 16:27	PFB	2997281

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7471A	03/04/2009 8:00	SVW	1.00

METALS BY METHOD 6020 (ICP/MS), TOTAL					MCL	SW6020	Units: mg/Kg		
Arsenic	ND			2	12	5	03/03/09 12:37	RJD	2994876
Barium	29.5			5	550	5	03/03/09 12:37	RJD	2994876
Cadmium	ND			1	3.9	5	03/03/09 12:37	RJD	2994876
Chromium	3.8			2	23	5	03/03/09 12:37	RJD	2994876
Lead	4.46			1	100	5	03/03/09 12:37	RJD	2994876
Selenium	ND			5	20	5	03/03/09 12:37	RJD	2994876
Silver	ND			0.5	39	5	03/03/09 12:37	RJD	2994876

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	03/02/2009 12:45	SA	1.00

ORGANOCHLORINE PESTICIDES BY METHOD 8081A - SOIL					MCL	SW8081	Units: mg/Kg		
4,4´-DDD	ND			0.0017	1.5	1	03/04/09 7:34	RAH	2996873
4,4´-DDE	ND			0.0017	1.7	1	03/04/09 7:34	RAH	2996873
4,4´-DDT	0.012			0.0017	1.7	1	03/04/09 7:34	RAH	2996873
Aldrin	ND			0.0017	0.028	1	03/04/09 7:34	RAH	2996873
alpha-BHC	ND			0.0017	0.0064	1	03/04/09 7:34	RAH	2996873
beta-BHC	ND			0.0017	0.016	1	03/04/09 7:34	RAH	2996873
Chlordane	ND			0.0067	1.6	1	03/04/09 7:34	RAH	2996873
Dieldrin	ND			0.0017	0.03	1	03/04/09 7:34	RAH	2996873
Endosulfan I	ND			0.0017	34	1	03/04/09 7:34	RAH	2996873
Endosulfan II	ND			0.0017	34	1	03/04/09 7:34	RAH	2996873
Endrin	ND			0.0017	1.8	1	03/04/09 7:34	RAH	2996873
gamma-BHC	ND			0.0017	0.033	1	03/04/09 7:34	RAH	2996873
Heptachlor	ND			0.0017	0.016	1	03/04/09 7:34	RAH	2996873
Heptachlor epoxide	ND			0.0017	0.053	1	03/04/09 7:34	RAH	2996873
Methoxychlor	ND			0.0017	30	1	03/04/09 7:34	RAH	2996873
Toxaphene	ND			0.17	0.44	1	03/04/09 7:34	RAH	2996873
Surr: Decachlorobiphenyl	323	*	%	10-180		1	03/04/09 7:34	RAH	2996873
Surr: Tetrachloro-m-xylene	38.2		%	10-157		1	03/04/09 7:34	RAH	2996873

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/28/2009 8:42	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

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

Client Sample ID: SD-3507ACE-LON-B1 **Collected:** 02/26/2009 12:55 **SPL Sample ID:** 09021066-17

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL					**MCL**		**SW8082**	**Units: mg/Kg**	
Aroclor 1016	ND			0.066	0.11	2	03/02/09 17:33	LDD	2993812
Aroclor 1221	ND			0.066	0.11	2	03/02/09 17:33	LDD	2993812
Aroclor 1232	ND			0.066	0.11	2	03/02/09 17:33	LDD	2993812
Aroclor 1242	ND			0.066	0.11	2	03/02/09 17:33	LDD	2993812
Aroclor 1248	ND			0.066	0.11	2	03/02/09 17:33	LDD	2993812
Aroclor 1254	ND			0.066	0.11	2	03/02/09 17:33	LDD	2993812
Aroclor 1260	ND			0.066	0.11	2	03/02/09 17:33	LDD	2993812
Surr: Decachlorobiphenyl	77.9		%	10-187		2	03/02/09 17:33	LDD	2993812
Surr: Tetrachloro-m-xylene	58.8		%	10-153		2	03/02/09 17:33	LDD	2993812

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/28/2009 9:08	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

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

Client Sample ID: SD-3507ACE-17ST-B2 **Collected:** 02/26/2009 10:30 **SPL Sample ID:** 09021066-18

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL BY COLD VAPOR				**MCL**	**SW7471A**	**Units: mg/Kg**		
Mercury	ND		0.1	2300	1	03/04/09 16:31	PFB	2997282

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7471A	03/04/2009 8:00	SVW	1.00

METALS BY METHOD 6020 (ICP/MS), TOTAL				MCL	SW6020	Units: mg/Kg		
Arsenic	ND		2	12	5	03/03/09 12:40	RJD	2994877
Barium	46.5		5	550	5	03/03/09 12:40	RJD	2994877
Cadmium	ND		1	3.9	5	03/03/09 12:40	RJD	2994877
Chromium	3.41		2	23	5	03/03/09 12:40	RJD	2994877
Lead	2.26		1	100	5	03/03/09 12:40	RJD	2994877
Selenium	ND		5	20	5	03/03/09 12:40	RJD	2994877
Silver	ND		0.5	39	5	03/03/09 12:40	RJD	2994877

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	03/02/2009 12:45	SA	1.00

ORGANOCHLORINE PESTICIDES BY METHOD 8081A - SOIL				MCL	SW8081	Units: mg/Kg		
4,4´-DDD	ND		0.0017	1.5	1	03/04/09 7:59	RAH	2996874
4,4´-DDE	ND		0.0017	1.7	1	03/04/09 7:59	RAH	2996874
4,4´-DDT	ND		0.0017	1.7	1	03/04/09 7:59	RAH	2996874
Aldrin	ND		0.0017	0.028	1	03/04/09 7:59	RAH	2996874
alpha-BHC	ND		0.0017	0.0064	1	03/04/09 7:59	RAH	2996874
beta-BHC	ND		0.0017	0.016	1	03/04/09 7:59	RAH	2996874
Chlordane	ND		0.0067	1.6	1	03/04/09 7:59	RAH	2996874
Dieldrin	ND		0.0017	0.03	1	03/04/09 7:59	RAH	2996874
Endosulfan I	ND		0.0017	34	1	03/04/09 7:59	RAH	2996874
Endosulfan II	ND		0.0017	34	1	03/04/09 7:59	RAH	2996874
Endrin	ND		0.0017	1.8	1	03/04/09 7:59	RAH	2996874
gamma-BHC	ND		0.0017	0.033	1	03/04/09 7:59	RAH	2996874
Heptachlor	ND		0.0017	0.016	1	03/04/09 7:59	RAH	2996874
Heptachlor epoxide	ND		0.0017	0.053	1	03/04/09 7:59	RAH	2996874
Methoxychlor	ND		0.0017	30	1	03/04/09 7:59	RAH	2996874
Toxaphene	ND		0.17	0.44	1	03/04/09 7:59	RAH	2996874
Surr: Decachlorobiphenyl	90.0	%	10-180		1	03/04/09 7:59	RAH	2996874
Surr: Tetrachloro-m-xylene	51.9	%	10-157		1	03/04/09 7:59	RAH	2996874

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/28/2009 8:42	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

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

Client Sample ID: SD-3507ACE-17ST-B2 **Collected:** 02/26/2009 10:30 **SPL Sample ID:** 09021066-18

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL					**MCL**		**SW8082**	**Units: mg/Kg**	
Aroclor 1016	ND			0.033	0.11	1	03/02/09 15:20	LDD	2993807
Aroclor 1221	ND			0.033	0.11	1	03/02/09 15:20	LDD	2993807
Aroclor 1232	ND			0.033	0.11	1	03/02/09 15:20	LDD	2993807
Aroclor 1242	ND			0.033	0.11	1	03/02/09 15:20	LDD	2993807
Aroclor 1248	ND			0.033	0.11	1	03/02/09 15:20	LDD	2993807
Aroclor 1254	ND			0.033	0.11	1	03/02/09 15:20	LDD	2993807
Aroclor 1260	ND			0.033	0.11	1	03/02/09 15:20	LDD	2993807
Surr: Decachlorobiphenyl	83.0		%	10-187		1	03/02/09 15:20	LDD	2993807
Surr: Tetrachloro-m-xylene	84.5		%	10-153		1	03/02/09 15:20	LDD	2993807

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/28/2009 9:08	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

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

Client Sample ID: SD-3507ACE-17ST-B1 **Collected:** 02/26/2009 10:00 **SPL Sample ID:** 09021066-19

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL BY COLD VAPOR				**MCL**	**SW7471A**	**Units: mg/Kg**		
Mercury	ND		0.1	2300	1	03/04/09 16:44	PFB	2997285

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7471A	03/04/2009 8:00	SVW	1.00

METALS BY METHOD 6020 (ICP/MS), TOTAL				MCL	SW6020	Units: mg/Kg		
Arsenic	3.08		2	12	5	03/03/09 12:42	RJD	2994878
Barium	67.1		5	550	5	03/03/09 12:42	RJD	2994878
Cadmium	ND		1	3.9	5	03/03/09 12:42	RJD	2994878
Chromium	7.33		2	23	5	03/03/09 12:42	RJD	2994878
Lead	41		1	100	5	03/03/09 12:42	RJD	2994878
Selenium	ND		5	20	5	03/03/09 12:42	RJD	2994878
Silver	ND		0.5	39	5	03/03/09 12:42	RJD	2994878

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	03/02/2009 12:45	SA	1.00

ORGANOCHLORINE PESTICIDES BY METHOD 8081A - SOIL				MCL	SW8081	Units: mg/Kg		
4,4´-DDD	ND		0.0017	1.5	1	03/04/09 8:24	RAH	2996875
4,4´-DDE	ND		0.0017	1.7	1	03/04/09 8:24	RAH	2996875
4,4´-DDT	ND		0.0017	1.7	1	03/04/09 8:24	RAH	2996875
Aldrin	ND		0.0017	0.028	1	03/04/09 8:24	RAH	2996875
alpha-BHC	ND		0.0017	0.0064	1	03/04/09 8:24	RAH	2996875
beta-BHC	ND		0.0017	0.016	1	03/04/09 8:24	RAH	2996875
Chlordane	ND		0.0067	1.6	1	03/04/09 8:24	RAH	2996875
Dieldrin	ND		0.0017	0.03	1	03/04/09 8:24	RAH	2996875
Endosulfan I	ND		0.0017	34	1	03/04/09 8:24	RAH	2996875
Endosulfan II	ND		0.0017	34	1	03/04/09 8:24	RAH	2996875
Endrin	ND		0.0017	1.8	1	03/04/09 8:24	RAH	2996875
gamma-BHC	ND		0.0017	0.033	1	03/04/09 8:24	RAH	2996875
Heptachlor	ND		0.0017	0.016	1	03/04/09 8:24	RAH	2996875
Heptachlor epoxide	ND		0.0017	0.053	1	03/04/09 8:24	RAH	2996875
Methoxychlor	ND		0.0017	30	1	03/04/09 8:24	RAH	2996875
Toxaphene	ND		0.17	0.44	1	03/04/09 8:24	RAH	2996875
Surr: Decachlorobiphenyl	51.8	%	10-180		1	03/04/09 8:24	RAH	2996875
Surr: Tetrachloro-m-xylene	43.6	%	10-157		1	03/04/09 8:24	RAH	2996875

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/28/2009 8:42	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

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

Client Sample ID: SD-3507ACE-17ST-B1 **Collected:** 02/26/2009 10:00 **SPL Sample ID:** 09021066-19

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL					**MCL**		**SW8082**	**Units: mg/Kg**	
Aroclor 1016	ND			0.033	0.11	1	03/02/09 15:42	LDD	2993808
Aroclor 1221	ND			0.033	0.11	1	03/02/09 15:42	LDD	2993808
Aroclor 1232	ND			0.033	0.11	1	03/02/09 15:42	LDD	2993808
Aroclor 1242	ND			0.033	0.11	1	03/02/09 15:42	LDD	2993808
Aroclor 1248	ND			0.033	0.11	1	03/02/09 15:42	LDD	2993808
Aroclor 1254	ND			0.033	0.11	1	03/02/09 15:42	LDD	2993808
Aroclor 1260	ND			0.033	0.11	1	03/02/09 15:42	LDD	2993808
Surr: Decachlorobiphenyl	80.6		%	10-187		1	03/02/09 15:42	LDD	2993808
Surr: Tetrachloro-m-xylene	49.4		%	10-153		1	03/02/09 15:42	LDD	2993808

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/28/2009 9:08	JT	1.00

Qualifiers:

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B/V - Analyte detected in the associated Method Blank
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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

LAFAYETTE LABORATORY
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SCOTT, LA 70583
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Client Sample ID: SD-3507ACE-17ST-B1A **Collected:** 02/26/2009 10:00 **SPL Sample ID:** 09021066-20

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL BY COLD VAPOR				**MCL**	**SW7471A**	**Units: mg/Kg**		
Mercury	ND		0.1	2300	1	03/04/09 16:48	PFB	2997286

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7471A	03/04/2009 8:00	SVW	1.00

METALS BY METHOD 6020 (ICP/MS), TOTAL				MCL	SW6020	Units: mg/Kg		
Arsenic	2.98		2	12	5	03/03/09 12:45	RJD	2994879
Barium	71.2		5	550	5	03/03/09 12:45	RJD	2994879
Cadmium	ND		1	3.9	5	03/03/09 12:45	RJD	2994879
Chromium	7.18		2	23	5	03/03/09 12:45	RJD	2994879
Lead	46.1		1	100	5	03/03/09 12:45	RJD	2994879
Selenium	ND		5	20	5	03/03/09 12:45	RJD	2994879
Silver	ND		0.5	39	5	03/03/09 12:45	RJD	2994879

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	03/02/2009 12:45	SA	1.00

ORGANOCHLORINE PESTICIDES BY METHOD 8081A - SOIL				MCL	SW8081	Units: mg/Kg		
4,4´-DDD	ND		0.0017	1.5	1	03/04/09 8:49	RAH	2996876
4,4´-DDE	ND		0.0017	1.7	1	03/04/09 8:49	RAH	2996876
4,4´-DDT	ND		0.0017	1.7	1	03/04/09 8:49	RAH	2996876
Aldrin	ND		0.0017	0.028	1	03/04/09 8:49	RAH	2996876
alpha-BHC	ND		0.0017	0.0064	1	03/04/09 8:49	RAH	2996876
beta-BHC	ND		0.0017	0.016	1	03/04/09 8:49	RAH	2996876
Chlordane	ND		0.0067	1.6	1	03/04/09 8:49	RAH	2996876
Dieldrin	ND		0.0017	0.03	1	03/04/09 8:49	RAH	2996876
Endosulfan I	ND		0.0017	34	1	03/04/09 8:49	RAH	2996876
Endosulfan II	ND		0.0017	34	1	03/04/09 8:49	RAH	2996876
Endrin	ND		0.0017	1.8	1	03/04/09 8:49	RAH	2996876
gamma-BHC	ND		0.0017	0.033	1	03/04/09 8:49	RAH	2996876
Heptachlor	ND		0.0017	0.016	1	03/04/09 8:49	RAH	2996876
Heptachlor epoxide	ND		0.0017	0.053	1	03/04/09 8:49	RAH	2996876
Methoxychlor	ND		0.0017	30	1	03/04/09 8:49	RAH	2996876
Toxaphene	ND		0.17	0.44	1	03/04/09 8:49	RAH	2996876
Surr: Decachlorobiphenyl	57.2	%	10-180		1	03/04/09 8:49	RAH	2996876
Surr: Tetrachloro-m-xylene	54.5	%	10-157		1	03/04/09 8:49	RAH	2996876

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/28/2009 8:42	JT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B/V - Analyte detected in the associated Method Blank
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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

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

Client Sample ID: SD-3507ACE-17ST-B1A **Collected:** 02/26/2009 10:00 **SPL Sample ID:** 09021066-20

Site: 17TH ST, ORLEANS, LONDON AVE CANALS

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
POLYCHLORINATED BIPHENYLS BY METHOD 8082 - SOIL					**MCL**		**SW8082**	**Units: mg/Kg**	
Aroclor 1016	ND			0.033	0.11	1	03/02/09 16:48	LDD	2993810
Aroclor 1221	ND			0.033	0.11	1	03/02/09 16:48	LDD	2993810
Aroclor 1232	ND			0.033	0.11	1	03/02/09 16:48	LDD	2993810
Aroclor 1242	ND			0.033	0.11	1	03/02/09 16:48	LDD	2993810
Aroclor 1248	ND			0.033	0.11	1	03/02/09 16:48	LDD	2993810
Aroclor 1254	ND			0.033	0.11	1	03/02/09 16:48	LDD	2993810
Aroclor 1260	ND			0.033	0.11	1	03/02/09 16:48	LDD	2993810
Surr: Decachlorobiphenyl	102		%	10-187		1	03/02/09 16:48	LDD	2993810
Surr: Tetrachloro-m-xylene	78.5		%	10-153		1	03/02/09 16:48	LDD	2993810

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	02/28/2009 9:08	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
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SCOTT, LA 70583
(337) 237-4775

Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: RECAP Diesel Range Organics by Method 8015B **WorkOrder:** 09021066
Method: SW8015B **Lab Batch ID:** 77717

Method Blank

RunID: TPHB_090302A-2994945 Units: mg/Kg
Analysis Date: 03/02/2009 22:04 Analyst: DF
Preparation Date: 02/27/2009 10:39 Prep By: JT Method: SW3550B

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	3.3
Surr: o-Terphenyl	70.8	12-145

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-04B	SD-3507ACE-ORL-B2
09021066-05B	SD-3507ACE-ORL-B1
09021066-06B	SD-3507ACE-LON-B2
09021066-07B	SD-3507ACE-LON-B1
09021066-08B	SD-3507ACE-17ST-B2
09021066-09B	SD-3507ACE-17ST-B1
09021066-10B	SD-3507ACE-17ST-B1A

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

RunID: TPHB_090302A-2994946 Units: mg/Kg
Analysis Date: 03/02/2009 22:24 Analyst: DF
Preparation Date: 02/27/2009 10:39 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	86.8	86.8	100	87.8	87.8	1.1	36	48	113
Surr: o-Terphenyl	1.67	1.22	73.4	1.67	1.18	71.1	3.3	30	12	145

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

Sample Spiked: 09021066-05
RunID: TPHB_090302A-2994948 Units: mg/Kg
Analysis Date: 03/02/2009 23:41 Analyst: DF
Preparation Date: 02/27/2009 10:39 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	95.5	95.5	100	97.3	97.3	1.88	42	12	148
Surr: o-Terphenyl	ND	1.67	1.25	75.0	1.67	1.23	73.7	1.80	30	12	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
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SCOTT, LA 70583
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis:	**RECAP Diesel Range Organics by Method 8015B**	**WorkOrder:**	**09021066**
Method:	**SW8015B**	**Lab Batch ID:**	**77717**

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

Sample Spiked:	09021006-13		
RunID:	TPHB_090302A-2996901	Units:	mg/Kg
Analysis Date:	03/03/2009 11:57	Analyst:	DF
Preparation Date:	02/27/2009 10:39	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	93.3	83.8	100	110	101	14.2	42	12	148
Surr: o-Terphenyl	ND	1.67	1.21	72.6	1.67	1.45	86.8	14.6	30	12	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
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SCOTT, LA 70583
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: RECAP Oil Range Organics **WorkOrder:** 09021066
Method: SW8015B **Lab Batch ID:** 77718

Method Blank

RunID: TPHB_090302B-2994967 Units: mg/Kg
Analysis Date: 03/02/2009 22:04 Analyst: DF
Preparation Date: 02/27/2009 10:41 Prep By: JT Method: SW3550B

Analyte	Result	Rep Limit
Oil Range Organics (C28-C35)	ND	3.3
Surr: o-Terphenyl	70.8	10-148

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-04B	SD-3507ACE-ORL-B2
09021066-05B	SD-3507ACE-ORL-B1
09021066-06B	SD-3507ACE-LON-B2
09021066-07B	SD-3507ACE-LON-B1
09021066-08B	SD-3507ACE-17ST-B2
09021066-09B	SD-3507ACE-17ST-B1
09021066-10B	SD-3507ACE-17ST-B1A

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

RunID: TPHB_090302B-2994968 Units: mg/Kg
Analysis Date: 03/02/2009 23:03 Analyst: DF
Preparation Date: 02/27/2009 10:41 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
Oil Range Organics (C28-C35)	100	81.6	81.6	100	79.6	79.6	2.5	37	25	137
Surr: o-Terphenyl	1.67	1.33	79.9	1.67	1.33	79.9	0.1	30	10	148

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

Sample Spiked: 09021066-05
RunID: TPHB_090302B-2994970 Units: mg/Kg
Analysis Date: 03/03/2009 0:20 Analyst: DF
Preparation Date: 02/27/2009 10:41 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
Oil Range Organics (C28-C35)	ND	100	92.8	92.8	100	99.0	99.0	6.39	36	36	120
Surr: o-Terphenyl	ND	1.67	1.44	86.4	1.67	1.50	89.6	3.66	30	10	148

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
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis:	**RECAP Oil Range Organics**	**WorkOrder:**	**09021066**
Method:	**SW8015B**	**Lab Batch ID:**	**77718**

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

Sample Spiked:	09021006-13		
RunID:	TPHB_090302B-2996923	Units:	mg/Kg
Analysis Date:	03/04/2009 4:08	Analyst:	DF
Preparation Date:	02/27/2009 10:41	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
Oil Range Organics (C28-C35)	ND	100	81.5	81.5	100	98.6	98.6	6.03	36	36	120
Surr: o-Terphenyl	ND	1.67	1.36	81.4	1.67	1.41	84.2	2.51	30	10	148

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
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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

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Organochlorine Pesticides by Method 8081A - soil** **WorkOrder:** **09021066**
Method: **SW8081** **Lab Batch ID:** **77737**

Method Blank

RunID: GCSVE5_090303C-2996862 Units: mg/Kg
Analysis Date: 03/02/2009 22:37 Analyst: RAH
Preparation Date: 02/28/2009 8:42 Prep By: JT Method: SW3550B

Analyte	Result	Rep Limit
4,4´-DDD	ND	0.0017
4,4´-DDE	ND	0.0017
4,4´-DDT	ND	0.0017
Aldrin	ND	0.0017
alpha-BHC	ND	0.0017
beta-BHC	ND	0.0017
Chlordane	ND	0.0067
Dieldrin	ND	0.0017
Endosulfan I	ND	0.0017
Endosulfan II	ND	0.0017
Endrin	ND	0.0017
gamma-BHC	ND	0.0017
Heptachlor	ND	0.0017
Heptachlor epoxide	ND	0.0017
Methoxychlor	ND	0.0017
Toxaphene	ND	0.17
Surr: Decachlorobiphenyl	70.0	10-180
Surr: Tetrachloro-m-xylene	64.5	10-157

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-14A	SD-3507ACE-ORL-B2
09021066-15A	SD-3507ACE-ORL-B1
09021066-16A	SD-3507ACE-LON-B2
09021066-17A	SD-3507ACE-LON-B1
09021066-18A	SD-3507ACE-17ST-B2
09021066-19A	SD-3507ACE-17ST-B1
09021066-20A	SD-3507ACE-17ST-B1A

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

RunID: GCSVE5_090303C-299686 Units: mg/Kg
Analysis Date: 03/02/2009 23:02 Analyst: RAH
Preparation Date: 02/28/2009 8:42 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
4,4´-DDD	0.00830	0.00460	55.4	0.00830	0.00485	58.5	5.5	38	51	124
4,4´-DDE	0.00830	0.00498	60.0	0.00830	0.00522	62.9	4.7	35	57	121
4,4´-DDT	0.00830	0.00463	55.8	0.00830	0.00477	57.5	3.0	45	32	160
Aldrin	0.00830	0.00468	56.4	0.00830	0.00500	60.3	6.6	38	48	131
alpha-BHC	0.00830	0.00484	58.3	0.00830	0.00527	63.5	8.5	28	45	122
beta-BHC	0.00830	0.00443	53.3	0.00830	0.00469	56.5	5.7	45	49	130
Dieldrin	0.00830	0.00509	61.3	0.00830	0.00534	64.3	4.8	35	45	133
Endosulfan I	0.00830	0.00466	56.2	0.00830	0.00493	59.4	5.5	33	56	120
Endosulfan II	0.00830	0.00482	58.1	0.00830	0.00496	59.7	2.7	39	52	118
Endrin	0.00830	0.00490	59.0	0.00830	0.00511	61.6	4.2	30	39	142
gamma-BHC	0.00830	0.00461	55.5	0.00830	0.00501	60.4	8.4	31	44	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

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis:	**Organochlorine Pesticides by Method 8081A - soil**	**WorkOrder:**	**09021066**
Method:	**SW8081**	**Lab Batch ID:**	**77737**

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

RunID: GCSVE5_090303C-299686 Units: mg/Kg
Analysis Date: 03/02/2009 23:02 Analyst: RAH
Preparation Date: 02/28/2009 8:42 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
Heptachlor	0.00830	0.00478	57.5	0.00830	0.00514	62.0	7.4	42	35	151
Heptachlor epoxide	0.00830	0.00467	56.3	0.00830	0.00496	59.8	6.0	40	53	124
Methoxychlor	0.00830	0.00444	53.6	0.00830	0.00446	53.7	0.3	49	40	154
Surr: Decachlorobiphenyl	33.3	25.1	75.4	33.3	25.5	76.7	1.6	29	10	180
Surr: Tetrachloro-m-xylene	33.3	23.1	69.3	33.3	24.0	72.0	3.8	37	10	157

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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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: Polychlorinated Biphenyls by Method 8082 - soil **WorkOrder:** 09021066
Method: SW8082 **Lab Batch ID:** 77739

Method Blank

RunID: PEST2_090228B-2992925 Units: mg/Kg
Analysis Date: 03/02/2009 10:08 Analyst: LDD
Preparation Date: 02/28/2009 9:08 Prep By: JT Method: SW3550B

Analyte	Result	Rep Limit
Aroclor 1016	ND	0.033
Aroclor 1221	ND	0.033
Aroclor 1232	ND	0.033
Aroclor 1242	ND	0.033
Aroclor 1248	ND	0.033
Aroclor 1254	ND	0.033
Aroclor 1260	ND	0.033
Surr: Decachlorobiphenyl	119.4	10-187
Surr: Tetrachloro-m-xylene	88.8	10-153

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-14A	SD-3507ACE-ORL-B2
09021066-15A	SD-3507ACE-ORL-B1
09021066-16A	SD-3507ACE-LON-B2
09021066-17A	SD-3507ACE-LON-B1
09021066-18A	SD-3507ACE-17ST-B2
09021066-19A	SD-3507ACE-17ST-B1
09021066-20A	SD-3507ACE-17ST-B1A

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

RunID: PEST2_090228B-2992926 Units: mg/Kg
Analysis Date: 03/02/2009 10:30 Analyst: LDD
Preparation Date: 02/28/2009 9:08 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
Aroclor 1016	0.330	0.308	93.5	0.330	0.280	85.0	9.5	28	53	148
Aroclor 1260	0.330	0.322	97.6	0.330	0.286	86.8	11.7	33	52	152
Surr: Decachlorobiphenyl	0.0330	0.0351	106	0.0330	0.0306	92.7	13.7	30	10	187
Surr: Tetrachloro-m-xylene	0.0330	0.0313	94.8	0.0330	0.0288	87.3	8.3	30	10	153

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

Sample Spiked: 09021002-01
RunID: PEST2_090228B-2993878 Units: mg/Kg
Analysis Date: 03/02/2009 12:45 Analyst: LDD
Preparation Date: 02/28/2009 9:08 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
Aroclor 1016	ND	0.33	0.328	99.4	0.33	0.322	97.5	1.85	48	10	181

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

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis:	**Polychlorinated Biphenyls by Method 8082 - soil**	**WorkOrder:**	**09021066**
Method:	**SW8082**	**Lab Batch ID:**	**77739**

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

Sample Spiked:	09021002-01		
RunID:	PEST2_090228B-2993878	Units:	mg/Kg
Analysis Date:	03/02/2009 12:45	Analyst:	LDD
Preparation Date:	02/28/2009 9:08	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
Aroclor 1260	ND	0.33	0.354	107	0.33	0.339	103	4.36	49	10	154
Surr: Decachlorobiphenyl	ND	0.033	0.0353	107	0.033	0.0356	108	0.846	30	10	187
Surr: Tetrachloro-m-xylene	ND	0.033	0.0324	98.2	0.033	0.0322	97.6	0.619	30	10	153

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

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Organochlorine Pesticides by Method 8081A - water** **WorkOrder:** **09021066**
Method: **SW8081** **Lab Batch ID:** **77752**

Method Blank

RunID: GCSVE5_090305A-2999048 Units: mg/L
Analysis Date: 03/05/2009 13:58 Analyst: RAH
Preparation Date: 03/02/2009 10:26 Prep By: JB Method: SW3510B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-03D	W-3507ACE-RB-LON-B2-2-2

Analyte	Result	Rep Limit
4,4´-DDD	ND	0.000050
4,4´-DDE	ND	0.000050
4,4´-DDT	ND	0.000050
Aldrin	ND	0.000050
alpha-BHC	ND	0.000030
beta-BHC	ND	0.000050
Chlordane	ND	0.00020
Dieldrin	ND	0.000050
Endosulfan I	ND	0.000050
Endosulfan II	ND	0.000050
Endrin	ND	0.000050
gamma-BHC	ND	0.000050
Heptachlor	ND	0.000050
Heptachlor epoxide	ND	0.000050
Methoxychlor	ND	0.000050
Toxaphene	ND	0.0020
Surr: Decachlorobiphenyl	55.2	10-144
Surr: Tetrachloro-m-xylene	79.8	10-179

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

RunID: GCSVE5_090305A-299904 Units: mg/L
Analysis Date: 03/05/2009 14:23 Analyst: RAH
Preparation Date: 03/02/2009 10:26 Prep By: JB Method: SW3510B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
4,4´-DDD	0.000250	0.000236	94.2	0.000250	0.000238	95.1	1.0	39	45	123
4,4´-DDE	0.000250	0.000214	85.5	0.000250	0.000217	87.0	1.7	43	47	125
4,4´-DDT	0.000250	0.000217	87.0	0.000250	0.000219	87.7	0.9	42	26	149
Aldrin	0.000250	0.000184	73.6	0.000250	0.000190	76.1	3.4	38	44	119
alpha-BHC	0.000250	0.000210	83.8	0.000250	0.000211	84.6	0.9	41	39	129
beta-BHC	0.000250	0.000239	95.6	0.000250	0.000244	97.7	2.1	35	47	126
Dieldrin	0.000250	0.000216	86.5	0.000250	0.000219	87.6	1.2	35	46	121
Endosulfan I	0.000250	0.000217	86.7	0.000250	0.000220	88.0	1.6	35	53	119
Endosulfan II	0.000250	0.000235	93.8	0.000250	0.000238	95.4	1.6	38	44	122
Endrin	0.000250	0.000236	94.2	0.000250	0.000238	95.1	0.9	41	40	131
gamma-BHC	0.000250	0.000205	82.0	0.000250	0.000209	83.5	1.8	38	45	119

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

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Organochlorine Pesticides by Method 8081A - water** **WorkOrder:** **09021066**
Method: **SW8081** **Lab Batch ID:** **77752**

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

RunID: GCSVE5_090305A-299904 Units: mg/L
Analysis Date: 03/05/2009 14:23 Analyst: RAH
Preparation Date: 03/02/2009 10:26 Prep By: JB Method: SW3510B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Heptachlor	0.000250	0.000221	88.3	0.000250	0.000228	91.4	3.4	38	46	118
Heptachlor epoxide	0.000250	0.000213	85.1	0.000250	0.000211	84.6	0.7	35	50	119
Methoxychlor	0.000250	0.000234	93.4	0.000250	0.000242	96.9	3.7	40	27	160
Surr: Decachlorobiphenyl	1.00	0.942	94.2	1.00	0.821	82.1	13.7	42	10	144
Surr: Tetrachloro-m-xylene	1.00	1.01	101	1.00	1.03	103	2.5	43	10	179

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

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Polychlorinated Biphenyls by Method 8082 - water** **WorkOrder:** **09021066**
Method: **SW8082** **Lab Batch ID:** **77753**

Method Blank

RunID: PEST2_090303A-2996102 Units: mg/L
Analysis Date: 03/04/2009 1:47 Analyst: LDD
Preparation Date: 03/02/2009 10:27 Prep By: JB Method: SW3510B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-03D	W-3507ACE-RB-LON-B2-2-2

Analyte	Result	Rep Limit
Aroclor 1016	ND	0.00050
Aroclor 1221	ND	0.00050
Aroclor 1232	ND	0.00050
Aroclor 1242	ND	0.00050
Aroclor 1248	ND	0.00050
Aroclor 1254	ND	0.00050
Aroclor 1260	ND	0.00050
Surr: Decachlorobiphenyl	70.6	10-134
Surr: Tetrachloro-m-xylene	86.8	15-137

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

RunID: PEST2_090303A-2996103 Units: mg/L
Analysis Date: 03/04/2009 2:09 Analyst: LDD
Preparation Date: 03/02/2009 10:27 Prep By: JB Method: SW3510B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Aroclor 1016	0.0100	0.0103	103	0.0100	0.0103	103	0.5	24	60	122
Aroclor 1260	0.0100	0.0101	101	0.0100	0.0104	104	3.1	43	37	141
Surr: Decachlorobiphenyl	1.00	0.786	78.6	1.00	0.701	70.1	11.4	30	10	134
Surr: Tetrachloro-m-xylene	1.00	1.07	107	1.00	1.01	101	5.8	30	15	137

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

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **RECAP Diesel Range Organics by Method 8015B** **WorkOrder:** **09021066**
Method: **SW8015B** **Lab Batch ID:** **77762**

Method Blank

RunID: TPHC_090304C-2997603 Units: mg/L
Analysis Date: 03/04/2009 20:50 Analyst: E_G
Preparation Date: 03/02/2009 12:01 Prep By: JDF Method: SW3511

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-03B	W-3507ACE-RB-LON-B2-2-2

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	0.10
Surr: o-Terphenyl	67.2	11-144

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

RunID: TPHC_090304C-2997604 Units: mg/L
Analysis Date: 03/04/2009 21:10 Analyst: E_G
Preparation Date: 03/02/2009 12:01 Prep By: JDF 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	5.15	85.9	6.00	5.64	94.0	9.0	36	41	120
Surr: o-Terphenyl	0.100	0.0703	70.3	0.100	0.0729	72.9	3.6	30	11	144

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
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TNTC - Too numerous to count

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **RECAP Oil Range Organics** **WorkOrder:** **09021066**
Method: **SW8015B** **Lab Batch ID:** **77763**

Method Blank

RunID: TPHC_090304D-2997621 Units: mg/L
Analysis Date: 03/04/2009 20:50 Analyst: E_G
Preparation Date: 03/02/2009 12:07 Prep By: JDF Method: SW3511

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-03B	W-3507ACE-RB-LON-B2-2-2

Analyte	Result	Rep Limit
Oil Range Organics (C28-C35)	ND	0.10
Surr: o-Terphenyl	67.2	21-128

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

RunID: TPHC_090304D-2997622 Units: mg/L
Analysis Date: 03/04/2009 21:50 Analyst: E_G
Preparation Date: 03/02/2009 12:07 Prep By: JDF 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
Oil Range Organics (C28-C35)	6.00	5.05	84.1	6.00	4.84	80.7	0.0	41	13	169
Surr: o-Terphenyl	0.100	0.0834	83.4	0.100	0.0776	77.6	0.0	30	11	139

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

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **TCLP Organochlorine Pesticides** **WorkOrder:** **09021066**
Method: **SW8081** **Lab Batch ID:** **77811**

Method Blank

RunID: GCSVE5_090303B-2996807 Units: mg/L
Analysis Date: 03/04/2009 0:08 Analyst: RAH
Preparation Date: 03/03/2009 12:32 Prep By: JB Method: SW3510B

Analyte	Result	Rep Limit
Chlordane	ND	0.0020
Endrin	ND	0.00050
gamma-BHC	ND	0.00050
Heptachlor	ND	0.00050
Heptachlor epoxide	ND	0.00050
Methoxychlor	ND	0.00050
Toxaphene	ND	0.050
Surr: Decachlorobiphenyl	35.9	10-144
Surr: Tetrachloro-m-xylene	60.2	10-179

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-11A	SD-3507ACE-ORL-WASTE
09021066-12A	SD-3507ACE-LON-WASTE
09021066-13A	SD-3507ACE-17ST-WASTE

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

RunID: GCSVE5_090303B-299680 Units: mg/L
Analysis Date: 03/04/2009 0:33 Analyst: RAH
Preparation Date: 03/03/2009 12:32 Prep By: JB Method: SW3510B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Endrin	0.00250	0.00154	61.5	0.00250	0.00170	68.2	10.3	41	40	131
gamma-BHC	0.00250	0.00150	60.0	0.00250	0.00171	68.5	13.2	38	45	119
Heptachlor	0.00250	0.00134	53.6	0.00250	0.00161	64.4	18.4	38	46	118
Heptachlor epoxide	0.00250	0.00143	57.1	0.00250	0.00170	68.2	17.6	35	50	119
Methoxychlor	0.00250	0.00122	48.7	0.00250	0.00153	61.2	22.7	40	27	160
Surr: Decachlorobiphenyl	10.0	8.97	89.7	10.0	11.2	112	22.2	42	10	144
Surr: Tetrachloro-m-xylene	10.0	6.03	60.3	10.0	7.28	72.8	18.7	43	10	179

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

Sample Spiked: 09021066-11
RunID: GCSVE5_090303B-299681 Units: mg/L
Analysis Date: 03/04/2009 2:37 Analyst: RAH
Preparation Date: 03/03/2009 12:32 Prep By: JB Method: SW3510B

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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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **TCLP Organochlorine Pesticides** **WorkOrder:** **09021066**
Method: **SW8081** **Lab Batch ID:** **77811**

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Endrin	ND	0.0025	0.00126	50.5	0.0025	0.00166	66.5	27.4	41	40	131
gamma-BHC	ND	0.0025	0.00141	56.5	0.0025	0.00170	68.2	18.8	38	45	119
Heptachlor	ND	0.0025	0.00123	49.1	0.0025	0.00166	66.5	30.0	38	46	118
Heptachlor epoxide	ND	0.0025	0.00129	51.6	0.0025	0.00172	68.9	28.8	35	50	119
Methoxychlor	ND	0.0025	0.00106	42.2	0.0025	0.00156	62.2	38.3	40	27	160
Surr: Decachlorobiphenyl	ND	10	8.05	80.5	10	5.11	51.1	44.8 *	42	10	144
Surr: Tetrachloro-m-xylene	ND	10	5.41	54.1	10	7.08	70.8	26.6	43	10	179

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

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LAFAYETTE LABORATORY
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Chlorinated Herbicides by Method 8151A** **WorkOrder:** **09021066**
Method: **SW8151A** **Lab Batch ID:** **77850**

Method Blank

RunID: GCSVE5_090305B-3000571 Units: mg/L
Analysis Date: 03/06/2009 1:04 Analyst: LDD
Preparation Date: 03/04/2009 10:24 Prep By: JB Method: SW3510C

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-03E	W-3507ACE-RB-LON-B2-2-2

Analyte	Result	Rep Limit
Dinoseb	ND	0.00047
Surr: DCAA	73.1	42-118

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

RunID: GCSVE5_090305B-300057 Units: mg/L
Analysis Date: 03/06/2009 1:35 Analyst: LDD
Preparation Date: 03/04/2009 10:24 Prep By: JB Method: SW3510C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Dinoseb	0.00235	0.00164	70.0	0.00235	0.00186	79.1	12.2	31	38	128
Surr: DCAA	1.00	0.848	84.8	1.00	0.956	95.6	12.0	30	42	118

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

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: TCLP Chlorinated Herbicides **WorkOrder:** 09021066
Method: SW8151A **Lab Batch ID:** 77893

Method Blank

RunID: GCSVE5_090305D-3001628 Units: mg/L
Analysis Date: 03/06/2009 14:38 Analyst: RAH
Preparation Date: 03/05/2009 10:50 Prep By: JB Method: SW3510B

Analyte	Result	Rep Limit
2,4,5-TP (Silvex)	ND	0.0010
2,4-D	ND	0.010
Surr: DCAA	68.4	42-118

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-11A	SD-3507ACE-ORL-WASTE
09021066-12A	SD-3507ACE-LON-WASTE
09021066-13A	SD-3507ACE-17ST-WASTE

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

RunID: GCSVE5_090305D-300162 Units: mg/L
Analysis Date: 03/06/2009 15:10 Analyst: RAH
Preparation Date: 03/05/2009 10:50 Prep By: JB Method: SW3510B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
2,4,5-TP (Silvex)	0.00475	0.00426	89.7	0.00475	0.00405	85.3	4.9	24	69	120
2,4-D	0.0470	0.0426	90.7	0.0470	0.0417	88.8	2.1	31	52	134
Surr: DCAA	10.0	8.71	87.1	10.0	7.35	73.5	16.9	30	42	118

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

Sample Spiked: 09021066-12
RunID: GCSVE5_090305D-300163 Units: mg/L
Analysis Date: 03/06/2009 16:12 Analyst: RAH
Preparation Date: 03/05/2009 10:50 Prep By: JB Method: SW3510B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
2,4,5-TP (Silvex)	ND	0.0048	0.00395	83.1	0.0048	0.00390	82.2	1.06	24	69	120
2,4-D	ND	0.047	0.0290	61.8	0.047	0.0417	88.8	35.9 *	31	52	134
Surr: DCAA	ND	10	7.14	71.4	10	6.43	64.3	10.4	30	42	118

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

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **RECAP Gasoline Range Organics** **WorkOrder:** **09021066**
Method: **SW8015B** **Lab Batch ID:** **R199863**

Method Blank

RunID: HPOO_090228A-2992745 Units: mg/L
Analysis Date: 02/28/2009 19:25 Analyst: JAP

Analyte	Result	Rep Limit
Gasoline Range Organics (C6-C10)	ND	0.10
Surr: 1,4-Difluorobenzene	98.0	69-137
Surr: 4-Bromofluorobenzene	98.5	81-119

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-01A	W-3507ACE-FB-2-26
09021066-02A	W-3507ACE-TB-2-26
09021066-03A	W-3507ACE-RB-LON-B2-2-2

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

RunID: HPOO_090228A-2992746 Units: mg/L
Analysis Date: 02/28/2009 21:49 Analyst: JAP

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Gasoline Range Organics (C6-C10)	5.00	5.15	103	5.00	5.20	104	0.9	13	75	114
Surr: 1,4-Difluorobenzene	30.0	29.2	97.2	30.0	29.3	97.5	0.3	30	69	137
Surr: 4-Bromofluorobenzene	30.0	29.4	98.0	30.0	29.7	98.9	0.8	30	81	119

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

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **RECAP Gasoline Range Organics** **WorkOrder:** **09021066**
Method: **SW8015B** **Lab Batch ID:** **R199864**

Method Blank

RunID: HPOO_090228B-2992760 Units: mg/Kg
Analysis Date: 02/28/2009 19:54 Analyst: JAP

Analyte	Result	Rep Limit
Gasoline Range Organics (C6-C10)	ND	0.10
Surr: 1,4-Difluorobenzene	93.7	56-151
Surr: 4-Bromofluorobenzene	96.0	55-148

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-04A	SD-3507ACE-ORL-B2
09021066-05A	SD-3507ACE-ORL-B1
09021066-06A	SD-3507ACE-LON-B2
09021066-07A	SD-3507ACE-LON-B1
09021066-08A	SD-3507ACE-17ST-B2
09021066-09A	SD-3507ACE-17ST-B1
09021066-10A	SD-3507ACE-17ST-B1A

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

RunID: HPOO_090228B-2992761 Units: mg/Kg
Analysis Date: 02/28/2009 22:47 Analyst: JAP

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Gasoline Range Organics (C6-C10)	5.00	5.32	106	5.00	5.49	110	3.0	15	75	119
Surr: 1,4-Difluorobenzene	30.0	26.9	89.7	30.0	26.6	88.8	1.0	30	56	151
Surr: 4-Bromofluorobenzene	30.0	28.7	95.6	30.0	28.5	94.9	0.7	30	55	148

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

Sample Spiked: 09021066-05
RunID: HPOO_090228B-2994483 Units: mg/Kg
Analysis Date: 03/02/2009 16:09 Analyst: JAP
Preparation Date: 02/27/2009 16:42 Prep By: cah Method: SW5035

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Gasoline Range Organics (C6-C10)	ND	312	364	116	312	337	108	7.76	15	52	136
Surr: 1,4-Difluorobenzene	ND	1880	1710	91.0	1880	1780	94.8	4.02	30	56	151
Surr: 4-Bromofluorobenzene	ND	1880	1810	96.6	1880	1830	97.7	1.05	30	55	148

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

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Metals by Method 6020 (ICP/MS), Total** **WorkOrder:** **09021066**
Method: **SW6020** **Lab Batch ID:** **77726-I**

Method Blank

RunID: ICPMS_090302A-2994646 Units: mg/L
Analysis Date: 03/02/2009 15:05 Analyst: RJD
Preparation Date: 02/27/2009 17:00 Prep By: RJD Method: SW3010A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-03F	W-3507ACE-RB-LON-B2-2-2

Analyte	Result	Rep Limit
Arsenic	ND	0.004
Barium	ND	0.01
Cadmium	ND	0.002
Chromium	ND	0.004
Lead	ND	0.001
Selenium	ND	0.01
Silver	ND	0.001

Laboratory Control Sample (LCS)

RunID: ICPMS_090302A-2994647 Units: mg/L
Analysis Date: 03/02/2009 15:07 Analyst: RJD
Preparation Date: 02/27/2009 17:00 Prep By: RJD Method: SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	0.1000	0.09423	94.23	80	120
Barium	0.1000	0.09626	96.26	80	120
Cadmium	0.1000	0.09662	96.62	80	120
Chromium	0.1000	0.09893	98.93	80	120
Lead	0.1000	0.1010	101.0	80	120
Selenium	0.5000	0.4439	88.78	80	120
Silver	0.1000	0.09967	99.67	80	120

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

Sample Spiked: 09021066-03
RunID: ICPMS_090302A-2994650 Units: mg/L
Analysis Date: 03/02/2009 15:16 Analyst: RJD
Preparation Date: 02/27/2009 17:00 Prep By: RJD Method: SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Arsenic	ND	0.1	0.09299	92.99	0.1	0.09374	93.74	0.8050	20	75	125

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
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MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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TNTC - Too numerous to count

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Metals by Method 6020 (ICP/MS), Total** **WorkOrder:** **09021066**
Method: **SW6020** **Lab Batch ID:** **77726-I**

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

Sample Spiked: 09021066-03
RunID: ICPMS_090302A-2994650 Units: mg/L
Analysis Date: 03/02/2009 15:16 Analyst: RJD
Preparation Date: 02/27/2009 17:00 Prep By: RJD Method: SW3010A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Barium	ND	0.1	0.09397	93.97	0.1	0.09592	95.92	2.050	20	75	125
Cadmium	ND	0.1	0.09502	95.02	0.1	0.09676	96.76	1.816	20	75	125
Chromium	ND	0.1	0.09833	98.33	0.1	0.1008	100.8	2.473	20	75	125
Lead	ND	0.1	0.1026	102.6	0.1	0.1036	103.6	1.024	20	75	125
Selenium	ND	0.5	0.4387	87.74	0.5	0.4396	87.91	0.1932	20	75	125
Silver	ND	0.1	0.09795	97.95	0.1	0.09934	99.34	1.405	20	75	125

Qualifiers:
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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
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Mercury, Total by Cold Vapor** **WorkOrder:** **09021066**
Method: **SW7470A** **Lab Batch ID:** **77756**

Method Blank

RunID: FIMS-400_090303A-2995395 Units: mg/L
Analysis Date: 03/03/2009 14:13 Analyst: PFB
Preparation Date: 03/02/2009 8:00 Prep By: PFB Method: SW7470A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-03F	W-3507ACE-RB-LON-B2-2-2

Analyte	Result	Rep Limit
Mercury	ND	0.0002

Laboratory Control Sample (LCS)

RunID: FIMS-400_090303A-299539 Units: mg/L
Analysis Date: 03/03/2009 14:17 Analyst: PFB
Preparation Date: 03/02/2009 8:00 Prep By: PFB Method: SW7470A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	0.01000	0.01089	108.9	80	120

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

Sample Spiked: 09021066-03
RunID: FIMS-400_090303A-299539 Units: mg/L
Analysis Date: 03/03/2009 14:29 Analyst: PFB
Preparation Date: 03/02/2009 8:00 Prep By: PFB Method: SW7470A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	ND	0.01	0.01096	109.6	0.01	0.01096	109.6	0.05858	20	75	125

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.
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **TCLP Mercury** **WorkOrder:** **09021066**
Method: **SW7470A** **Lab Batch ID:** **77759**

Method Blank

RunID: FIMS-400_090303B-2995423 Units: mg/L
Analysis Date: 03/03/2009 15:51 Analyst: PFB
Preparation Date: 03/02/2009 8:00 Prep By: PFB Method: SW7470A

Analyte	Result	Rep Limit
Mercury	ND	0.02

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-11A	SD-3507ACE-ORL-WASTE
09021066-12A	SD-3507ACE-LON-WASTE
09021066-13A	SD-3507ACE-17ST-WASTE

Laboratory Control Sample (LCS)

RunID: FIMS-400_090303B-299542 Units: mg/L
Analysis Date: 03/03/2009 15:55 Analyst: PFB
Preparation Date: 03/02/2009 8:00 Prep By: PFB Method: SW7470A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	0.3000	0.3074	102.5	80	120

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

Sample Spiked: 09021066-11
RunID: FIMS-400_090303B-299542 Units: mg/L
Analysis Date: 03/03/2009 16:08 Analyst: PFB
Preparation Date: 03/02/2009 8:00 Prep By: PFB Method: SW7470A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	ND	0.3	0.3170	105.7	0.3	0.3135	104.5	1.115	20	75	125

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

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Metals by Method 6020 (ICP/MS), Total** **WorkOrder:** **09021066**
Method: **SW6020** **Lab Batch ID:** **77767-I**

Method Blank

RunID: ICPMS_090303A-2994864 Units: mg/Kg
Analysis Date: 03/03/2009 12:04 Analyst: RJD
Preparation Date: 03/02/2009 12:45 Prep By: SA Method: SW3050B

Analyte	Result	Rep Limit
Arsenic	ND	2
Barium	ND	2.5
Cadmium	ND	1
Chromium	ND	2
Lead	ND	1
Selenium	ND	2.5
Silver	ND	0.5

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-14B	SD-3507ACE-ORL-B2
09021066-15B	SD-3507ACE-ORL-B1
09021066-16B	SD-3507ACE-LON-B2
09021066-17B	SD-3507ACE-LON-B1
09021066-18B	SD-3507ACE-17ST-B2
09021066-19B	SD-3507ACE-17ST-B1
09021066-20B	SD-3507ACE-17ST-B1A

Laboratory Control Sample (LCS)

RunID: ICPMS_090303A-2994865 Units: mg/Kg
Analysis Date: 03/03/2009 12:07 Analyst: RJD
Preparation Date: 03/02/2009 12:45 Prep By: SA Method: SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	280.0	246.1	87.89	80.7	119
Barium	520.0	545.9	105.0	82.7	117
Cadmium	182.0	190.7	104.8	81.9	118
Chromium	142.0	142.9	100.6	81	120
Lead	72.20	77.84	107.8	81.9	118
Selenium	165.0	158.0	95.74	77.6	123
Silver	126.0	136.5	108.3	66.4	134

Post Digestion Spike (PDS) / Post Digestion Spike Duplicate (PDSD)

Sample Spiked: 09021066-15
RunID: ICPMS_090303A-2994870 Units: mg/Kg
Analysis Date: 03/03/2009 12:21 Analyst: RJD

Analyte	Sample Result	PDS Spike Added	PDS Result	PDS % Recovery	PDSD Spike Added	PDSD Result	PDSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Barium	26.9	250	275.8	99.56	250	276.5	99.82	0.2321	20	75	125
Lead	22.9	250	275.7	101.1	250	275.7	101.1	0.009685	20	75	125

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.
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Metals by Method 6020 (ICP/MS), Total** **WorkOrder:** **09021066**
Method: **SW6020** **Lab Batch ID:** **77767-I**

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

Sample Spiked: 09021066-15
RunID: ICPMS_090303A-2994868 Units: mg/Kg
Analysis Date: 03/03/2009 12:16 Analyst: RJD
Preparation Date: 03/02/2009 12:45 Prep By: SA Method: SW3050B

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Arsenic	2.697	10	11.55	88.50	10	11.64	89.40	0.7707	20	75	125
Barium	26.91	10	30.04	31.30 *	10	37.14	102.3	21.14 *	20	75	125
Cadmium	ND	10	9.663	96.63	10	9.679	96.79	0.1647	20	75	125
Chromium	5.068	10	13.05	79.81	10	15.14	100.7	14.81	20	75	125
Lead	22.93	10	19.57	-33.57 *	10	19.80	-31.26 *	1.174	20	75	125
Selenium	ND	50	43.85	87.71	50	42.58	85.16	2.945	20	75	125
Silver	ND	10	9.462	94.62	10	9.701	97.01	2.497	20	75	125

Qualifiers:
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B/V - Analyte detected in the associated Method Blank
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LAFAYETTE LABORATORY
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SCOTT, LA 70583
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: TCLP Metals by Method 6010B **WorkOrder:** 09021066
Method: SW6010B **Lab Batch ID:** 77782

Method Blank

RunID: ICPDV_090303A-2994928 Units: mg/L
Analysis Date: 03/03/2009 12:25 Analyst: SVW
Preparation Date: 03/02/2009 17:00 Prep By: SA Method: SW3010A

Analyte	Result	Rep Limit
Arsenic	ND	0.2
Barium	ND	0.25
Cadmium	ND	0.1
Chromium	ND	0.1
Lead	ND	0.2
Selenium	ND	0.2
Silver	ND	0.1

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-11A	SD-3507ACE-ORL-WASTE
09021066-12A	SD-3507ACE-LON-WASTE
09021066-13A	SD-3507ACE-17ST-WASTE

Laboratory Control Sample (LCS)

RunID: ICPDV_090303A-2994929 Units: mg/L
Analysis Date: 03/03/2009 12:30 Analyst: SVW
Preparation Date: 03/02/2009 17:00 Prep By: SA Method: SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	10.00	11.06	110.6	80	120
Barium	10.00	10.48	104.8	80	120
Cadmium	10.00	11.03	110.3	80	120
Chromium	10.00	10.56	105.6	80	120
Lead	10.00	10.66	106.6	80	120
Selenium	10.00	11.27	112.7	80	120
Silver	10.00	10.96	109.6	80	120

Sample Duplicate

Original Sample: 09021066-11
RunID: ICPDV_090303A-2994930 Units: mg/L
Analysis Date: 03/03/2009 12:33 Analyst: SVW
Preparation Date: 03/02/2009 17:00 Prep By: SA Method: SW3010A
Leach Date: 02/27/2009 0:00 Leach By: KT Method: SW1311

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Arsenic	ND	ND	0	20
Barium	0.323	0.2964	8.70	20
Cadmium	ND	ND	0	20
Chromium	ND	ND	0	20

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **TCLP Metals by Method 6010B** **WorkOrder:** **09021066**
Method: **SW6010B** **Lab Batch ID:** **77782**

Sample Duplicate

Original Sample: 09021066-11
RunID: ICPDV_090303A-2994930 Units: mg/L
Analysis Date: 03/03/2009 12:33 Analyst: SVW
Preparation Date: 03/02/2009 17:00 Prep By: SA Method: SW3010A
Leach Date: 02/27/2009 0:00 Leach By: KT Method: SW1311

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Lead	1.07	0.9774	9.24	20
Selenium	ND	ND	0	20
Silver	ND	ND	0	20

Matrix Spike (MS)

Sample Spiked: 09021066-11
RunID: ICPDV_090303A-2994932 Units: mg/L
Analysis Date: 03/03/2009 12:43 Analyst: SVW
Preparation Date: 03/02/2009 17:00 Prep By: SA Method: SW3010A

Analyte	Sample Result	Spike Added	MS Result	MS % Recovery	Low Limit	High Limit
Arsenic	ND	10	10.73	107.3	75	125
Barium	0.3234	10	10.22	98.99	75	125
Cadmium	ND	10	10.57	105.5	75	125
Chromium	ND	10	10.23	102.1	75	125
Lead	1.072	10	11.22	101.5	75	125
Selenium	ND	10	10.90	108.3	75	125
Silver	ND	10	10.19	101.6	75	125

Qualifiers:
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: Mercury, Total by Cold Vapor **WorkOrder:** 09021066
Method: SW7471A **Lab Batch ID:** 77785

Method Blank

RunID: FIMS-400_090304A-2997273 Units: mg/Kg
Analysis Date: 03/04/2009 15:55 Analyst: PFB
Preparation Date: 03/04/2009 8:00 Prep By: SV Method: SW7471A

Analyte	Result	Rep Limit
Mercury	ND	0.1

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-14B	SD-3507ACE-ORL-B2
09021066-15B	SD-3507ACE-ORL-B1
09021066-16B	SD-3507ACE-LON-B2
09021066-17B	SD-3507ACE-LON-B1
09021066-18B	SD-3507ACE-17ST-B2
09021066-19B	SD-3507ACE-17ST-B1
09021066-20B	SD-3507ACE-17ST-B1A

Laboratory Control Sample (LCS)

RunID: FIMS-400_090304A-299727 Units: mg/Kg
Analysis Date: 03/04/2009 15:59 Analyst: PFB
Preparation Date: 03/04/2009 8:00 Prep By: SV Method: SW7471A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	8.480	8.322	98.13	66.04	132.1

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

Sample Spiked: 09021066-14
RunID: FIMS-400_090304A-299727 Units: mg/Kg
Analysis Date: 03/04/2009 16:11 Analyst: PFB
Preparation Date: 03/04/2009 8:00 Prep By: SV Method: SW7471A

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	ND	1.5	1.526	101.7	1.5	1.539	102.6	0.8537	20	75	125

Qualifiers:

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E - Estimated Value exceeds calibration curve
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Semivolatile Organics by EPA 8270C** **WorkOrder:** **09021066**
Method: **SW8270C** **Lab Batch ID:** **77740**

Method Blank

RunID: F_090309A-3003255 Units: mg/L
Analysis Date: 03/09/2009 14:26 Analyst: KTK
Preparation Date: 02/28/2009 9:18 Prep By: JB Method: SW3510C

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-03C	W-3507ACE-RB-LON-B2-2-2

Analyte	Result	Rep Limit
1,1-Biphenyl	ND	0.010
1,2,4,5-Tetrachlorobenzene	ND	0.0011
1,2,4-Trichlorobenzene	ND	0.0050
1,3-Dinitrobenzene	ND	0.010
2,3,4,6-Tetrachlorophenol	ND	0.010
2,4,5-Trichlorophenol	ND	0.0050
2,4,6-Trichlorophenol	ND	0.0050
2,4-Dichlorophenol	ND	0.0050
2,4-Dimethylphenol	ND	0.0050
2,4-Dinitrophenol	ND	0.010
2,4-Dinitrotoluene	ND	0.0050
2,6-Dinitrotoluene	ND	0.0037
2-Chloronaphthalene	ND	0.0050
2-Chlorophenol	ND	0.0030
2-Methylnaphthalene	ND	0.00020
2-Nitroaniline	ND	0.0050
3,3´-Dichlorobenzidine	ND	0.0050
3-Nitroaniline	ND	0.0018
4-Chloroaniline	ND	0.0050
4-Nitroaniline	ND	0.0050
4-Nitrophenol	ND	0.020
Acenaphthene	ND	0.00020
Acenaphthylene	ND	0.00020
Aniline	ND	0.0050
Anthracene	ND	0.0010
Benz(a)anthracene	ND	0.00020
Benzo(a)pyrene	ND	0.00020
Benzo(b)fluoranthene	ND	0.00020
Benzo(k)fluoranthene	ND	0.00020
Bis(2-chloroethyl)ether	ND	0.0050
Bis(2-chloroisopropyl)ether	ND	0.0050
Bis(2-ethylhexyl)phthalate	ND	0.0050
Butyl benzyl phthalate	ND	0.0050
Chrysene	ND	0.00020
Dibenz(a,h)anthracene	ND	0.00020
Dibenzofuran	ND	0.0024
Diethyl phthalate	ND	0.0050
Dimethyl phthalate	ND	0.0050
Di-n-octyl phthalate	ND	0.0050
Fluoranthene	ND	0.00020
Fluorene	ND	0.00020
Hexachlorobenzene	ND	0.0010
Hexachlorobutadiene	ND	0.0020
Hexachlorocyclopentadiene	ND	0.010
Indeno(1,2,3-cd)pyrene	ND	0.00020
Isophorone	ND	0.0050

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Semivolatile Organics by EPA 8270C** **WorkOrder:** **09021066**
Method: **SW8270C** **Lab Batch ID:** **77740**

Method Blank

RunID: F_090309A-3003255 Units: mg/L
Analysis Date: 03/09/2009 14:26 Analyst: KTK
Preparation Date: 02/28/2009 9:18 Prep By: JB Method: SW3510C

Analyte	Result	Rep Limit
Naphthalene	ND	0.00020
Nitrobenzene	ND	0.0010
N-Nitrosodi-n-propylamine	ND	0.0050
N-Nitrosodiphenylamine	ND	0.0050
Pentachlorophenol	ND	0.0050
Phenanthrene	ND	0.00020
Phenol	ND	0.0050
Pyrene	ND	0.00020
Surr: 2,4,6-Tribromophenol	84.1	39-152
Surr: 2-Fluorobiphenyl	98.3	41-125
Surr: 2-Fluorophenol	50.8	10-114
Surr: 4-Terphenyl-d14	88.7	34-135
Surr: Nitrobenzene-d5	87.8	36-126
Surr: Phenol-d5	38.3	10-84.1

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

RunID: F_090309A-3003256 Units: mg/L
Analysis Date: 03/09/2009 14:46 Analyst: KTK
Preparation Date: 02/28/2009 9:18 Prep By: JB Method: SW3510C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
1,1-Biphenyl	0.0500	0.0421	84.2	0.0500	0.0419	83.9	0.4	37	49	130
1,2,4,5-Tetrachlorobenzene	0.0500	0.0383	76.6	0.0500	0.0387	77.3	0.9	41	44	127
1,2,4-Trichlorobenzene	0.0500	0.0338	67.6	0.0500	0.0336	67.2	0.7	34	37	128
1,3-Dinitrobenzene	0.0500	0.0360	72.0	0.0500	0.0362	72.5	0.6	20	43	143
2,3,4,6-Tetrachlorophenol	0.0500	0.0325	65.0	0.0500	0.0331	66.3	2.0	30	41	134
2,4,5-Trichlorophenol	0.0500	0.0336	67.2	0.0500	0.0340	68.0	1.2	34	43	132
2,4,6-Trichlorophenol	0.0500	0.0335	67.0	0.0500	0.0341	68.1	1.7	37	44	124
2,4-Dichlorophenol	0.0500	0.0405	81.0	0.0500	0.0402	80.4	0.7	26	40	136
2,4-Dimethylphenol	0.0500	0.0313	62.6	0.0500	0.0312	62.3	0.4	21	35	128
2,4-Dinitrophenol	0.0500	0.0282	56.5	0.0500	0.0279	55.8	1.1	35	12	139
2,4-Dinitrotoluene	0.0500	0.0344	68.8	0.0500	0.0347	69.4	0.9	25	40	137
2,6-Dinitrotoluene	0.0500	0.0409	81.8	0.0500	0.0405	80.9	1.1	28	41	135
2-Chloronaphthalene	0.0500	0.0400	80.1	0.0500	0.0399	79.7	0.4	27	45	126
2-Chlorophenol	0.0500	0.0328	65.6	0.0500	0.0328	65.5	0.1	20	39	119

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Semivolatile Organics by EPA 8270C** **WorkOrder:** **09021066**
Method: **SW8270C** **Lab Batch ID:** **77740**

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

RunID: F_090309A-3003256 Units: mg/L
Analysis Date: 03/09/2009 14:46 Analyst: KTK
Preparation Date: 02/28/2009 9:18 Prep By: JB Method: SW3510C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
2-Methylnaphthalene	0.0500	0.0401	80.1	0.0500	0.0406	81.1	1.3	37	43	128
2-Nitroaniline	0.0500	0.0343	68.6	0.0500	0.0342	68.5	0.2	26	43	133
3,3´-Dichlorobenzidine	0.0500	0.0493	98.5	0.0500	0.0483	96.6	2.0	33	10	200
3-Nitroaniline	0.0500	0.0384	76.7	0.0500	0.0370	74.1	3.5	23	10	188
4-Chloroaniline	0.0500	0.0311	62.3	0.0500	0.0299	59.8	4.1	23	26	123
4-Nitroaniline	0.0500	0.0338	67.5	0.0500	0.0340	68.0	0.8	24	28	184
4-Nitrophenol	0.0500	0.0114	22.9	0.0500	0.0113	22.7	0.9	45	14	80
Acenaphthene	0.0500	0.0402	80.5	0.0500	0.0401	80.2	0.3	30	44	134
Acenaphthylene	0.0500	0.0394	78.7	0.0500	0.0393	78.6	0.1	27	40	134
Aniline	0.0500	0.0215	43.0	0.0500	0.0207	41.4	3.8	26	14	103
Anthracene	0.0500	0.0429	85.9	0.0500	0.0432	86.4	0.5	31	51	131
Benz(a)anthracene	0.0500	0.0402	80.4	0.0500	0.0403	80.5	0.1	23	41	133
Benzo(a)pyrene	0.0500	0.0364	72.8	0.0500	0.0365	73.0	0.2	18	49	126
Benzo(b)fluoranthene	0.0500	0.0340	68.1	0.0500	0.0361	72.2	5.9	32	42	127
Benzo(k)fluoranthene	0.0500	0.0429	85.8	0.0500	0.0384	76.9	10.9	21	41	146
Bis(2-chloroethyl)ether	0.0500	0.0362	72.4	0.0500	0.0362	72.4	0.0	19	48	111
Bis(2-chloroisopropyl)ether	0.0500	0.0365	73.0	0.0500	0.0367	73.3	0.5	20	47	116
Bis(2-ethylhexyl)phthalate	0.0500	0.0397	79.3	0.0500	0.0392	78.4	1.1	27	47	116
Butyl benzyl phthalate	0.0500	0.0343	68.5	0.0500	0.0350	70.0	2.1	28	43	138
Chrysene	0.0500	0.0412	82.5	0.0500	0.0412	82.3	0.2	24	47	130
Dibenz(a,h)anthracene	0.0500	0.0353	70.5	0.0500	0.0353	70.6	0.0	38	39	139
Dibenzofuran	0.0500	0.0399	79.9	0.0500	0.0400	80.0	0.1	29	41	137
Diethyl phthalate	0.0500	0.0397	79.3	0.0500	0.0397	79.4	0.1	28	41	144
Dimethyl phthalate	0.0500	0.0389	77.8	0.0500	0.0385	77.1	0.9	27	42	141
Di-n-octyl phthalate	0.0500	0.0363	72.5	0.0500	0.0361	72.3	0.3	26	44	141
Fluoranthene	0.0500	0.0406	81.2	0.0500	0.0405	81.1	0.1	25	48	134
Fluorene	0.0500	0.0406	81.1	0.0500	0.0411	82.3	1.3	29	43	139
Hexachlorobenzene	0.0500	0.0341	68.3	0.0500	0.0351	70.3	2.9	30	44	130
Hexachlorobutadiene	0.0500	0.0319	63.9	0.0500	0.0317	63.4	0.7	36	37	106
Hexachlorocyclopentadiene	0.0500	0.0326	65.1	0.0500	0.0322	64.5	1.1	38	26	107
Indeno(1,2,3-cd)pyrene	0.0500	0.0355	71.1	0.0500	0.0354	70.8	0.3	32	42	132
Isophorone	0.0500	0.0344	68.9	0.0500	0.0340	68.0	1.2	27	35	135
Naphthalene	0.0500	0.0403	80.5	0.0500	0.0398	79.7	1.1	36	41	129

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Semivolatile Organics by EPA 8270C** **WorkOrder:** **09021066**
Method: **SW8270C** **Lab Batch ID:** **77740**

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

RunID: F_090309A-3003256 Units: mg/L
Analysis Date: 03/09/2009 14:46 Analyst: KTK
Preparation Date: 02/28/2009 9:18 Prep By: JB Method: SW3510C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Nitrobenzene	0.0500	0.0359	71.7	0.0500	0.0358	71.6	0.1	24	40	133
N-Nitrosodi-n-propylamine	0.0500	0.0382	76.4	0.0500	0.0381	76.2	0.3	20	33	136
N-Nitrosodiphenylamine	0.0500	0.0424	84.8	0.0500	0.0422	84.5	0.4	29	48	137
Pentachlorophenol	0.0500	0.0342	68.3	0.0500	0.0348	69.6	1.7	40	38	124
Phenanthrene	0.0500	0.0408	81.6	0.0500	0.0404	80.7	1.1	25	45	135
Phenol	0.0500	0.0157	31.5	0.0500	0.0154	30.8	2.1	36	15	85
Pyrene	0.0500	0.0391	78.3	0.0500	0.0396	79.2	1.1	31	47	134
Surr: 2,4,6-Tribromophenol	75.0	53.0	70.7	75.0	52.2	69.6	1.6	30	36	150
Surr: 2-Fluorobiphenyl	50.0	42.2	84.4	50.0	41.6	83.2	1.5	30	41	125
Surr: 2-Fluorophenol	75.0	32.8	43.7	75.0	31.6	42.2	3.6	30	10	114
Surr: 4-Terphenyl-d14	50.0	38.8	77.5	50.0	38.3	76.6	1.2	30	34	135
Surr: Nitrobenzene-d5	50.0	38.5	76.9	50.0	37.9	75.8	1.5	30	36	126
Surr: Phenol-d5	75.0	24.8	33.1	75.0	24.2	32.2	2.6	30	10	84.1

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E - Estimated Value exceeds calibration curve
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D - Recovery Unreportable due to Dilution
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LAFAYETTE LABORATORY
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(337) 237-4775

Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: TCLP Semivolatile Organics by EPA 8270C **WorkOrder:** 09021066
Method: SW8270C **Lab Batch ID:** 77807

Method Blank

RunID: F_090305A-2999636 Units: mg/L
Analysis Date: 03/05/2009 12:46 Analyst: KTK
Preparation Date: 03/03/2009 10:39 Prep By: JB Method: SW3510B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-11A	SD-3507ACE-ORL-WASTE
09021066-12A	SD-3507ACE-LON-WASTE
09021066-13A	SD-3507ACE-17ST-WASTE

Analyte	Result	Rep Limit
1,4-Dichlorobenzene	ND	0.050
2,4,5-Trichlorophenol	ND	0.050
2,4,6-Trichlorophenol	ND	0.050
2,4-Dinitrotoluene	ND	0.050
Hexachlorobenzene	ND	0.050
Hexachlorobutadiene	ND	0.050
Hexachloroethane	ND	0.050
Nitrobenzene	ND	0.050
Pentachlorophenol	ND	0.20
Pyridine	ND	0.050
m,p-Cresols	ND	0.050
o-Cresol	ND	0.050
Surr: 2,4,6-Tribromophenol	73.1	39-152
Surr: 2-Fluorobiphenyl	93.7	41-125
Surr: 2-Fluorophenol	32.5	10-114
Surr: 4-Terphenyl-d14	105.6	34-135
Surr: Nitrobenzene-d5	78.5	36-126
Surr: Phenol-d5	23.9	10-84.1

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

RunID: F_090305A-2999637 Units: mg/L
Analysis Date: 03/05/2009 13:06 Analyst: KTK
Preparation Date: 03/03/2009 10:39 Prep By: JB Method: SW3510B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
1,4-Dichlorobenzene	0.500	0.333	66.7	0.500	0.382	76.4	13.6	40	44	106
2,4,5-Trichlorophenol	0.500	0.402	80.4	0.500	0.470	94.0	15.6	40	31	106
2,4,6-Trichlorophenol	0.500	0.354	70.8	0.500	0.402	80.4	12.7	40	30	111
2,4-Dinitrotoluene	0.500	0.372	74.5	0.500	0.426	85.2	13.4	40	40	137
Hexachlorobenzene	0.500	0.410	82.0	0.500	0.465	93.1	12.7	40	30	103
Hexachlorobutadiene	0.500	0.316	63.2	0.500	0.364	72.9	14.2	40	26	90.2
Hexachloroethane	0.500	0.316	63.3	0.500	0.372	74.4	16.2	40	19	92.9
Nitrobenzene	0.500	0.345	69.0	0.500	0.383	76.7	10.5	40	36	105
Pentachlorophenol	0.500	0.389	77.9	0.500	0.446	89.2	13.6	40	38	124
Pyridine	0.500	0.152	30.5	0.500	0.174	34.7	13.1	40	10	75.5
m,p-Cresols	0.500	0.250	50.0	0.500	0.281	56.1	11.5	40	26	74.4

Qualifiers:

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **TCLP Semivolatile Organics by EPA 8270C** **WorkOrder:** **09021066**
Method: **SW8270C** **Lab Batch ID:** **77807**

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

RunID: F_090305A-2999637 Units: mg/L
Analysis Date: 03/05/2009 13:06 Analyst: KTK
Preparation Date: 03/03/2009 10:39 Prep By: JB Method: SW3510B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
o-Cresol	0.500	0.265	52.9	0.500	0.295	58.9	10.7	40	28	78.7
Surr: 2,4,6-Tribromophenol	750	621	82.8	750	716	95.5	14.3	30	39	152
Surr: 2-Fluorobiphenyl	500	450	90.0	500	491	98.2	8.7	30	41	125
Surr: 2-Fluorophenol	750	288	38.3	750	327	43.7	13.0	30	10	114
Surr: 4-Terphenyl-d14	500	521	104	500	571	114	9.2	30	34	135
Surr: Nitrobenzene-d5	500	378	75.6	500	416	83.1	9.5	30	36	126
Surr: Phenol-d5	750	198	26.4	750	221	29.5	11.1	30	10	84.1

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **RECAP Semivolatile Organics by EPA 8270C** **WorkOrder:** **09021066**
Method: **SW8270C** **Lab Batch ID:** **77937**

Method Blank

RunID: A_090306B-3002218 Units: mg/Kg
Analysis Date: 03/06/2009 15:01 Analyst: RRR
Preparation Date: 03/06/2009 7:37 Prep By: JT Method: SW3550B

Analyte	Result	Rep Limit
1,1-Biphenyl	ND	0.33
1,2,4,5-Tetrachlorobenzene	ND	0.17
1,2,4-Trichlorobenzene	ND	0.17
1,3-Dinitrobenzene	ND	0.17
2,3,4,6-Tetrachlorophenol	ND	0.17
2,4,5-Trichlorophenol	ND	0.17
2,4,6-Trichlorophenol	ND	0.17
2,4-Dichlorophenol	ND	0.17
2,4-Dimethylphenol	ND	0.17
2,4-Dinitrophenol	ND	0.66
2,4-Dinitrotoluene	ND	0.17
2,6-Dinitrotoluene	ND	0.17
2-Chloronaphthalene	ND	0.17
2-Chlorophenol	ND	0.17
2-Methylnaphthalene	ND	0.033
2-Nitroaniline	ND	0.33
3,3´-Dichlorobenzidine	ND	0.17
3-Nitroaniline	ND	0.33
4-Chloroaniline	ND	0.17
4-Nitroaniline	ND	0.33
4-Nitrophenol	ND	0.66
Acenaphthene	ND	0.033
Acenaphthylene	ND	0.033
Aniline	ND	0.065
Anthracene	ND	0.033
Benz(a)anthracene	ND	0.033
Benzo(a)pyrene	ND	0.033
Benzo(b)fluoranthene	ND	0.033
Benzo(k)fluoranthene	ND	0.033
Bis(2-chloroethyl)ether	ND	0.17
Bis(2-chloroisopropyl)ether	ND	0.17
Bis(2-ethylhexyl)phthalate	ND	0.17
Butyl benzyl phthalate	ND	0.17
Chrysene	ND	0.033
Dibenz(a,h)anthracene	ND	0.033
Dibenzofuran	ND	0.17
Diethyl phthalate	ND	0.17
Dimethyl phthalate	ND	0.17
Di-n-octyl phthalate	ND	0.17
Fluoranthene	ND	0.033
Fluorene	ND	0.033
Hexachlorobenzene	ND	0.17
Hexachlorobutadiene	ND	0.17
Hexachlorocyclopentadiene	ND	0.33
Indeno(1,2,3-cd)pyrene	ND	0.033
Isophorone	ND	0.17

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-04B	SD-3507ACE-ORL-B2
09021066-05B	SD-3507ACE-ORL-B1
09021066-06B	SD-3507ACE-LON-B2
09021066-07B	SD-3507ACE-LON-B1
09021066-08B	SD-3507ACE-17ST-B2
09021066-09B	SD-3507ACE-17ST-B1
09021066-10B	SD-3507ACE-17ST-B1A

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **RECAP Semivolatile Organics by EPA 8270C** **WorkOrder:** **09021066**
Method: **SW8270C** **Lab Batch ID:** **77937**

Method Blank

RunID: A_090306B-3002218 Units: mg/Kg
Analysis Date: 03/06/2009 15:01 Analyst: RRR
Preparation Date: 03/06/2009 7:37 Prep By: JT Method: SW3550B

Analyte	Result	Rep Limit
Naphthalene	ND	0.033
Nitrobenzene	ND	0.17
N-Nitrosodi-n-propylamine	ND	0.17
N-Nitrosodiphenylamine	ND	0.17
Pentachlorophenol	ND	0.66
Phenanthrene	ND	0.033
Phenol	ND	0.17
Pyrene	ND	0.033
Surr: 2,4,6-Tribromophenol	95.0	10-170
Surr: 2-Fluorobiphenyl	101.9	35-116
Surr: 2-Fluorophenol	106.8	16-139
Surr: 4-Terphenyl-d14	99.4	30-145
Surr: Nitrobenzene-d5	96.1	10-152
Surr: Phenol-d5	91.5	17-151

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

RunID: A_090306B-3002219 Units: mg/Kg
Analysis Date: 03/06/2009 15:22 Analyst: RRR
Preparation Date: 03/06/2009 7:37 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
1,1-Biphenyl	1.67	1.54	92.3	1.67	1.77	106	13.7	40	31	165
1,2,4,5-Tetrachlorobenzene	1.67	1.64	98.4	1.67	1.81	109	9.9	30	59	121
1,2,4-Trichlorobenzene	1.67	1.55	92.7	1.67	1.59	95.5	2.9	27	31	135
1,3-Dinitrobenzene	1.67	1.68	101	1.67	1.88	113 *	11.1	25	83	110
2,3,4,6-Tetrachlorophenol	1.67	1.53	91.9	1.67	1.77	106	14.5	27	55	116
2,4,5-Trichlorophenol	1.67	1.68	101	1.67	1.77	106	5.2	26	65	114
2,4,6-Trichlorophenol	1.67	1.67	100	1.67	1.74	105	4.5	23	69	107
2,4-Dichlorophenol	1.67	1.55	93.0	1.67	1.67	100	7.7	20	57	128
2,4-Dimethylphenol	1.67	1.58	95.0	1.67	1.46	87.8	7.9	21	46	120
2,4-Dinitrophenol	1.67	1.11	66.9	1.67	1.38	82.8	21.3	45	28	126
2,4-Dinitrotoluene	1.67	1.66	99.8	1.67	1.89	114	12.8	30	69	119
2,6-Dinitrotoluene	1.67	2.06	124 *	1.67	2.35	141 *	12.8	25	66	117
2-Chloronaphthalene	1.67	1.53	91.8	1.67	1.74	105	13.1	25	60	126
2-Chlorophenol	1.67	1.52	91.1	1.67	1.71	103	12.0	22	58	108

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: RECAP Semivolatile Organics by EPA 8270C **WorkOrder:** 09021066
Method: SW8270C **Lab Batch ID:** 77937

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

RunID: A_090306B-3002219 Units: mg/Kg
Analysis Date: 03/06/2009 15:22 Analyst: RRR
Preparation Date: 03/06/2009 7:37 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
2-Methylnaphthalene	1.67	1.66	99.4	1.67	1.64	98.2	1.2	28	52	135
2-Nitroaniline	1.67	1.81	109	1.67	1.91	115	5.2	22	66	118
3,3´-Dichlorobenzidine	1.67	1.58	94.9	1.67	1.70	102	7.1	47	24	200
3-Nitroaniline	1.67	1.67	99.9	1.67	1.68	101	1.1	29	27	200
4-Chloroaniline	1.67	1.46	87.5	1.67	1.50	90.0	2.8	32	60	111
4-Nitroaniline	1.67	1.58	94.9	1.67	1.72	103	8.2	33	32	200
4-Nitrophenol	1.67	1.16	69.5	1.67	1.43	85.9	21.2	46	58	123
Acenaphthene	1.67	1.69	101	1.67	1.69	101	0.3	23	55	132
Acenaphthylene	1.67	1.63	97.8	1.67	1.80	108	10.2	24	53	137
Aniline	1.67	1.52	91.0	1.67	1.77	106	15.2	45	63	109
Anthracene	1.67	1.71	103	1.67	1.68	101	1.4	23	59	126
Benz(a)anthracene	1.67	1.38	82.5	1.67	1.56	93.8	12.7	26	57	129
Benzo(a)pyrene	1.67	1.72	103	1.67	1.91	115	10.2	21	61	127
Benzo(b)fluoranthene	1.67	1.42	85.3	1.67	1.59	95.5	11.4	26	58	117
Benzo(k)fluoranthene	1.67	1.60	95.9	1.67	2.08	124	26.0	26	56	139
Bis(2-chloroethyl)ether	1.67	1.53	91.7	1.67	1.80	108	16.5	30	52	111
Bis(2-chloroisopropyl)ether	1.67	1.64	98.6	1.67	1.82	109 *	10.0	33	55	108
Bis(2-ethylhexyl)phthalate	1.67	1.60	95.8	1.67	1.77	106	10.4	37	55	134
Butyl benzyl phthalate	1.67	1.52	91.1	1.67	1.60	96.1	5.3	35	58	131
Chrysene	1.67	1.48	88.7	1.67	1.62	97.2	9.2	21	58	113
Dibenz(a,h)anthracene	1.67	1.57	94.2	1.67	1.68	101	6.8	27	47	132
Dibenzofuran	1.67	1.56	93.7	1.67	1.83	110	15.7	21	60	129
Diethyl phthalate	1.67	1.73	104	1.67	1.88	113	8.4	34	58	137
Dimethyl phthalate	1.67	1.44	86.3	1.67	1.77	106	20.4	36	60	129
Di-n-octyl phthalate	1.67	1.59	95.6	1.67	1.77	106	10.5	36	58	129
Fluoranthene	1.67	1.69	101	1.67	2.22	133 *	27.2	36	59	127
Fluorene	1.67	1.62	97.2	1.67	1.72	103	6.0	25	59	135
Hexachlorobenzene	1.67	1.46	87.6	1.67	1.75	105	18.1	33	60	127
Hexachlorobutadiene	1.67	1.51	90.6	1.67	1.43	86.0	5.2	33	56	121
Hexachlorocyclopentadiene	1.67	1.57	94.1	1.67	1.74	105	10.6	49	54	106
Indeno(1,2,3-cd)pyrene	1.67	1.63	97.6	1.67	1.72	103	5.6	41	38	131
Isophorone	1.67	1.53	91.9	1.67	1.38	83.0	10.2	28	57	107
Naphthalene	1.67	1.56	93.5	1.67	1.56	93.4	0.1	24	59	127

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: RECAP Semivolatile Organics by EPA 8270C **WorkOrder:** 09021066
Method: SW8270C **Lab Batch ID:** 77937

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

RunID: A_090306B-3002219 Units: mg/Kg
Analysis Date: 03/06/2009 15:22 Analyst: RRR
Preparation Date: 03/06/2009 7:37 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
Nitrobenzene	1.67	1.18	70.6	1.67	1.19	71.4	1.0	25	61	124
N-Nitrosodi-n-propylamine	1.67	1.52	91.4	1.67	1.65	98.9	7.8	43	59	121
N-Nitrosodiphenylamine	1.67	1.69	101	1.67	1.97	118	15.8	27	59	131
Pentachlorophenol	1.67	1.40	84.1	1.67	1.69	101	18.4	36	55	115
Phenanthrene	1.67	1.74	105	1.67	2.11	126	18.9	23	56	130
Phenol	1.67	1.31	78.5	1.67	1.61	96.6	20.7	31	54	122
Pyrene	1.67	1.61	96.4	1.67	1.65	98.8	2.5	32	55	137
Surr: 2,4,6-Tribromophenol	2500	2530	101	2500	2560	102	1.1	30	10	170
Surr: 2-Fluorobiphenyl	1670	1680	101	1670	1800	108	7.1	30	35	116
Surr: 2-Fluorophenol	2500	2160	86.5	2500	2250	90.0	3.9	30	16	139
Surr: 4-Terphenyl-d14	1670	1630	97.7	1670	1770	106	8.5	30	30	145
Surr: Nitrobenzene-d5	1670	1720	103	1670	1600	95.7	7.5	30	10	152
Surr: Phenol-d5	2500	2050	81.8	2500	2420	96.7	16.6	30	17	151

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

Sample Spiked: 09021066-05
RunID: A_090306B-3002223 Units: mg/Kg
Analysis Date: 03/06/2009 16:45 Analyst: RRR
Preparation Date: 03/06/2009 7:37 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
1,1-Biphenyl	ND	1.67	1.39	83.7	1.67	1.52	91.5	8.86	40	31	165
1,2,4,5-Tetrachlorobenzene	ND	1.67	1.47	88.0	1.67	1.64	98.1	10.9	30	59	121
1,2,4-Trichlorobenzene	ND	1.67	1.33	79.7	1.67	1.49	89.5	11.6	27	31	135
1,3-Dinitrobenzene	ND	1.67	1.59	95.1	1.67	1.52	91.4	3.97	25	83	110
2,3,4,6-Tetrachlorophenol	ND	1.67	1.50	90.0	1.67	1.57	93.9	4.23	27	55	116
2,4,5-Trichlorophenol	ND	1.67	1.61	96.5	1.67	1.58	94.6	2.02	26	65	114
2,4,6-Trichlorophenol	ND	1.67	1.50	89.7	1.67	1.61	96.8	7.55	23	69	107
2,4-Dichlorophenol	ND	1.67	1.33	79.7	1.67	1.50	89.7	11.9	20	57	128

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **RECAP Semivolatile Organics by EPA 8270C** **WorkOrder:** **09021066**
Method: **SW8270C** **Lab Batch ID:** **77937**

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

Sample Spiked: 09021066-05
RunID: A_090306B-3002223 Units: mg/Kg
Analysis Date: 03/06/2009 16:45 Analyst: RRR
Preparation Date: 03/06/2009 7:37 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
2,4-Dimethylphenol	ND	1.67	1.28	76.7	1.67	1.49	89.1	15.0	21	46	120
2,4-Dinitrophenol	ND	1.67	0.685	41.1	1.67	0.552	33.1	21.5	45	28	126
2,4-Dinitrotoluene	ND	1.67	1.54	92.4	1.67	1.55	93.1	0.770	30	69	119
2,6-Dinitrotoluene	ND	1.67	1.91	115	1.67	1.93	116	0.770	25	66	117
2-Chloronaphthalene	ND	1.67	1.40	84.2	1.67	1.48	89.0	5.53	25	60	126
2-Chlorophenol	ND	1.67	1.38	83.0	1.67	1.56	93.3	11.8	22	58	108
2-Methylnaphthalene	ND	1.67	1.39	83.3	1.67	1.47	88.2	5.61	28	52	135
2-Nitroaniline	ND	1.67	1.56	93.4	1.67	1.78	107	13.7	22	66	118
3,3´-Dichlorobenzidine	ND	1.67	1.56	93.6	1.67	1.44	86.3	8.12	47	24	200
3-Nitroaniline	ND	1.67	1.80	108	1.67	1.63	97.8	10.1	29	27	200
4-Chloroaniline	ND	1.67	1.37	81.9	1.67	1.61	96.4	16.2	32	60	111
4-Nitroaniline	ND	1.67	1.51	90.4	1.67	1.57	94.3	4.16	33	32	200
4-Nitrophenol	ND	1.67	1.14	68.3	1.67	1.12	67.2	1.57	46	58	123
Acenaphthene	ND	1.67	1.34	80.6	1.67	1.44	86.6	7.17	24	55	132
Acenaphthylene	ND	1.67	1.47	88.3	1.67	1.49	89.3	1.14	24	53	137
Aniline	ND	1.67	1.31	78.6	1.67	1.44	86.5	9.52	45	63	109
Anthracene	ND	1.67	1.50	89.8	1.67	1.68	101	11.6	23	59	126
Benz(a)anthracene	ND	1.67	1.45	86.8	1.67	1.36	81.7	6.02	26	57	129
Benzo(a)pyrene	ND	1.67	1.69	101	1.67	1.69	101	0.316	21	61	127
Benzo(b)fluoranthene	ND	1.67	1.46	87.7	1.67	1.50	90.0	2.55	26	58	117
Benzo(k)fluoranthene	ND	1.67	1.44	86.2	1.67	1.55	92.8	7.42	26	56	139
Bis(2-chloroethyl)ether	ND	1.67	1.31	78.5	1.67	1.50	89.8	13.4	30	52	111
Bis(2-chloroisopropyl)ether	ND	1.67	1.34	80.6	1.67	1.68	101	22.1	33	55	108
Bis(2-ethylhexyl)phthalate	ND	1.67	1.67	100	1.67	1.52	90.9	9.94	37	55	134
Butyl benzyl phthalate	ND	1.67	1.61	96.5	1.67	1.61	96.8	0.328	35	58	131
Chrysene	ND	1.67	1.32	79.4	1.67	1.35	81.2	2.25	21	58	113
Dibenz(a,h)anthracene	ND	1.67	1.64	98.7	1.67	1.74	104	5.53	27	47	132
Dibenzofuran	ND	1.67	1.49	89.4	1.67	1.44	86.4	3.40	21	60	129
Diethyl phthalate	ND	1.67	1.45	87.2	1.67	1.55	93.1	6.61	34	58	137
Dimethyl phthalate	ND	1.67	1.45	87.1	1.67	1.36	81.6	6.51	36	60	129
Di-n-octyl phthalate	ND	1.67	1.68	101	1.67	1.52	91.2	10.1	36	58	129
Fluoranthene	ND	1.67	1.64	98.6	1.67	1.81	109	9.62	36	59	127

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
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **RECAP Semivolatile Organics by EPA 8270C** **WorkOrder:** **09021066**
Method: **SW8270C** **Lab Batch ID:** **77937**

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

Sample Spiked: 09021066-05
RunID: A_090306B-3002223 Units: mg/Kg
Analysis Date: 03/06/2009 16:45 Analyst: RRR
Preparation Date: 03/06/2009 7:37 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
Fluorene	ND	1.67	1.47	87.9	1.67	1.45	87.1	0.954	25	59	135
Hexachlorobenzene	ND	1.67	1.35	80.9	1.67	1.36	81.3	0.508	33	60	127
Hexachlorobutadiene	ND	1.67	1.34	80.6	1.67	1.58	94.6	16.0	33	56	121
Hexachlorocyclopentadiene	ND	1.67	1.21	72.8	1.67	1.35	81.2	10.9	49	54	106
Indeno(1,2,3-cd)pyrene	ND	1.67	1.70	102	1.67	1.83	110	7.74	41	38	131
Isophorone	ND	1.67	1.24	74.3	1.67	1.54	92.5	21.8	28	57	107
Naphthalene	ND	1.67	1.35	80.9	1.67	1.49	89.4	9.99	24	59	127
Nitrobenzene	ND	1.67	0.989	59.4 *	1.67	1.25	74.8	23.1	25	61	124
N-Nitrosodi-n-propylamine	ND	1.67	1.30	78.2	1.67	1.50	89.7	13.8	43	59	121
N-Nitrosodiphenylamine	ND	1.67	1.71	103	1.67	1.74	104	1.59	27	59	131
Pentachlorophenol	ND	1.67	1.25	75.1	1.67	1.28	76.6	2.03	36	55	115
Phenanthrene	ND	1.67	1.65	98.9	1.67	1.81	109	9.58	23	56	130
Phenol	ND	1.67	1.29	77.4	1.67	1.32	78.9	2.01	31	54	122
Pyrene	ND	1.67	1.76	106	1.67	1.70	102	3.69	32	55	137
Surr: 2,4,6-Tribromophenol	ND	2500	2260	90.3	2500	2300	91.8	1.70	30	10	170
Surr: 2-Fluorobiphenyl	ND	1670	1500	89.7	1670	1340	80.3	11.1	30	35	116
Surr: 2-Fluorophenol	ND	2500	1720	68.8	2500	2250	90.1	26.8	30	16	139
Surr: 4-Terphenyl-d14	ND	1670	1710	103	1670	1530	91.7	11.4	30	30	145
Surr: Nitrobenzene-d5	ND	1670	1310	78.3	1670	1610	96.4	20.7	30	10	152
Surr: Phenol-d5	ND	2500	1970	78.8	2500	2120	84.7	7.19	30	17	151

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09021066**
Method: **SW8260B** **Lab Batch ID:** **022709A1**

Method Blank

RunID: HB_090228A-2992484 Units: ug/Kg
Analysis Date: 02/28/2009 14:00 Analyst: TDD
Preparation Date: 02/28/2009 14:00 Prep By: Method: SW5035

Analyte	Result	Rep Limit
1,1,1,2-Tetrachloroethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1,2,2-Tetrachloroethane	ND	2.0
1,1,2-Trichloroethane	ND	5.0
1,1-Dichloroethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,2-Dibromo-3-chloropropane	ND	3.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dichloroethane	ND	5.0
1,2-Dichloropropane	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
2-Butanone	ND	20
4-Methyl-2-pentanone	ND	10
Acetone	ND	100
Benzene	ND	5.0
Bromodichloromethane	ND	5.0
Bromoform	ND	5.0
Bromomethane	ND	10
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	5.0
Chlorobenzene	ND	5.0
Chloroethane	ND	5.0
Chloroform	ND	5.0
Chloromethane	ND	10
cis-1,3-Dichloropropene	ND	5.0
Dibromochloromethane	ND	5.0
Ethylbenzene	ND	5.0
Hexachloroethane	ND	5.0
Isobutyl alcohol	ND	100
Methyl tert-butyl ether	ND	5.0
Methylene chloride	ND	10
Styrene	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Trichlorofluoromethane	ND	5.0
Vinyl chloride	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,2-Dichloroethene (total)	ND	5.0
1,3-Dichloropropene,Total	ND	5.0
Xylenes,Total	ND	5.0

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-04A	SD-3507ACE-ORL-B2
09021066-05A	SD-3507ACE-ORL-B1
09021066-09A	SD-3507ACE-17ST-B1
09021066-10A	SD-3507ACE-17ST-B1A

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: Volatile Organics-RECAP Method 8260B **WorkOrder:** 09021066
Method: SW8260B **Lab Batch ID:** 022709A1

Method Blank

RunID: HB_090228A-2992484 Units: ug/Kg
Analysis Date: 02/28/2009 14:00 Analyst: TDD
Preparation Date: 02/28/2009 14:00 Prep By: Method: SW5035

Analyte	Result	Rep Limit
Surr: 1,2-Dichloroethane-d4	101.5	67-158
Surr: 4-Bromofluorobenzene	102.6	84-112
Surr: Toluene-d8	97.4	89-112

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

RunID: HB_090228A-2992482 Units: ug/Kg
Analysis Date: 02/28/2009 12:36 Analyst: TDD
Preparation Date: 02/28/2009 12:36 Prep By: Method: SW5035

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	50.0	50.8	102	50.0	51.3	103	1.0	30	79	124
1,1,1-Trichloroethane	50.0	42.9	85.9	50.0	43.3	86.6	0.9	30	72	129
1,1,2,2-Tetrachloroethane	50.0	48.3	96.7	50.0	48.9	97.7	1.1	30	69	140
1,1,2-Trichloroethane	50.0	48.3	96.7	50.0	48.4	96.8	0.2	30	73	134
1,1-Dichloroethane	50.0	41.6	83.3	50.0	42.4	84.7	1.8	30	77	127
1,1-Dichloroethene	50.0	42.4	84.9	50.0	43.0	86.0	1.3	25	70	128
1,2-Dibromo-3-chloropropane	50.0	49.2	98.4	50.0	47.4	94.7	3.7	30	61	128
1,2-Dichlorobenzene	50.0	48.0	95.9	50.0	48.0	95.9	0.0	30	76	122
1,2-Dichloroethane	50.0	46.0	92.0	50.0	46.2	92.4	0.5	30	75	128
1,2-Dichloropropane	50.0	44.0	88.1	50.0	43.9	87.7	0.4	30	79	126
1,3-Dichlorobenzene	50.0	48.3	96.5	50.0	48.4	96.9	0.4	30	71	119
1,4-Dichlorobenzene	50.0	49.4	98.8	50.0	49.3	98.7	0.2	30	72	118
2-Butanone	125	115	92.3	125	114	91.5	0.9	30	64	141
4-Methyl-2-pentanone	125	123	98.7	125	117	93.9	5.0	30	66	146
Acetone	125	104	83.3	125	99.2	79.3	4.9	30	69	140
Benzene	50.0	43.3	86.6	50.0	43.9	87.8	1.4	21	77	121
Bromodichloromethane	50.0	47.4	94.9	50.0	47.4	94.8	0.1	30	80	128
Bromoform	50.0	52.8	106	50.0	52.8	106	0.1	30	62	119
Bromomethane	50.0	38.6	77.2	50.0	39.5	79.0	2.3	30	66	141
Carbon disulfide	50.0	42.0	84.0	50.0	43.1	86.2	2.6	30	63	130
Carbon tetrachloride	50.0	45.0	90.1	50.0	46.2	92.3	2.5	30	75	137
Chlorobenzene	50.0	46.7	93.5	50.0	48.0	96.0	2.7	20	72	132

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09021066**
Method: **SW8260B** **Lab Batch ID:** **022709A1**

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

RunID: HB_090228A-2992482 Units: ug/Kg
Analysis Date: 02/28/2009 12:36 Analyst: TDD
Preparation Date: 02/28/2009 12:36 Prep By: Method: SW5035

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Chloroethane	50.0	41.6	83.3	50.0	42.6	85.2	2.3	30	75	132
Chloroform	50.0	42.5	84.9	50.0	42.2	84.3	0.7	30	75	127
Chloromethane	50.0	36.0	72.0	50.0	36.8	73.5	2.2	30	70	128
cis-1,3-Dichloropropene	50.0	48.9	97.8	50.0	48.2	96.3	1.6	30	81	135
Dibromochloromethane	50.0	52.0	104	50.0	53.2	106	2.4	30	72	134
Ethylbenzene	50.0	45.2	90.4	50.0	46.1	92.2	2.0	30	67	135
Hexachloroethane	50.0	44.3	88.6	50.0	44.8	89.6	1.2	30	53	121
Isobutyl alcohol	500	377	75.4	500	350	69.9	7.5	30	47	147
Methyl tert-butyl ether	50.0	46.7	93.3	50.0	46.0	92.0	1.4	30	80	129
Methylene chloride	50.0	40.6	81.2	50.0	40.5	81.0	0.2	30	74	143
Styrene	50.0	47.1	94.1	50.0	47.3	94.6	0.5	30	69	139
Tetrachloroethene	50.0	51.0	102	50.0	53.5	107	4.7	30	68	139
Toluene	50.0	44.8	89.6	50.0	46.2	92.3	3.0	20	79	123
trans-1,3-Dichloropropene	50.0	52.2	104	50.0	52.0	104	0.4	30	75	141
Trichloroethene	50.0	47.9	95.7	50.0	48.2	96.4	0.7	23	82	128
Trichlorofluoromethane	50.0	59.4	119	50.0	57.5	115	3.2	30	70	134
Vinyl chloride	50.0	39.6	79.3	50.0	40.6	81.1	2.3	30	72	131
cis-1,2-Dichloroethene	50.0	42.6	85.2	50.0	43.8	87.6	2.7	30	83	124
m,p-Xylene	100	101	101	100	104	104	2.7	30	66	133
o-Xylene	50.0	45.0	90.0	50.0	46.4	92.8	3.2	30	71	134
trans-1,2-Dichloroethene	50.0	45.2	90.4	50.0	45.4	90.9	0.6	30	78	127
1,2-Dichloroethene (total)	100	87.8	87.8	100	89.2	89.2	1.6	30	78	126
Xylenes,Total	150	146	97.4	150	150	100	2.8	30		
Surr: 1,2-Dichloroethane-d4	50.0	47.2	94.3	50.0	46.3	92.7	1.8	30	67	158
Surr: 4-Bromofluorobenzene	50.0	49.1	98.2	50.0	50.6	101	3.0	30	84	112
Surr: Toluene-d8	50.0	48.8	97.5	50.0	48.8	97.6	0.1	30	89	112

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

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09021066**
Method: **SW8260B** **Lab Batch ID:** **022709A1**

Sample Spiked: 09021066-05
RunID: HB_090228A-2993201 Units: ug/Kg
Analysis Date: 02/28/2009 20:56 Analyst: TDD
Preparation Date: 02/27/2009 16:40 Prep By: cah Method: SW5035

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND	67.6	59.1	87.5	62.5	63.7	102	7.59	30	79	124
1,1,1-Trichloroethane	ND	67.6	67.0	99.3	62.5	67.5	108	0.675	30	72	129
1,1,2,2-Tetrachloroethane	ND	67.6	48.9	72.5	62.5	47.8	76.5	2.39	30	69	140
1,1,2-Trichloroethane	ND	67.6	60.0	88.9	62.5	62.0	99.1	3.16	30	73	134
1,1-Dichloroethane	ND	67.6	65.6	97.1	62.5	65.7	105	0.222	30	77	127
1,1-Dichloroethene	ND	67.6	65.8	97.3	62.5	63.5	102	3.42	40	70	128
1,2-Dibromo-3-chloropropane	ND	67.6	44.7	66.2	62.5	46.3	74.0	3.38	30	61	128
1,2-Dichlorobenzene	ND	67.6	47.8	70.7 *	62.5	54.6	87.4	13.4	30	76	122
1,2-Dichloroethane	ND	67.6	62.9	93.2	62.5	62.7	100	0.350	30	75	128
1,2-Dichloropropane	ND	67.6	58.9	87.2	62.5	60.6	96.9	2.81	30	79	126
1,3-Dichlorobenzene	ND	67.6	47.3	70.0 *	62.5	54.1	86.6	13.5	30	71	119
1,4-Dichlorobenzene	ND	67.6	47.5	70.3 *	62.5	53.8	86.0	12.4	30	72	118
2-Butanone	ND	169	125	73.9	156	121	77.4	3.23	30	64	141
4-Methyl-2-pentanone	ND	169	98.4	58.2 *	156	96.2	61.5 *	2.27	30	66	146
Acetone	ND	169	128	52.5 *	156	117	49.8 *	8.94	30	69	140
Benzene	ND	67.6	58.6	85.7	62.5	59.3	93.7	1.18	22	77	121
Bromodichloromethane	ND	67.6	65.9	97.6	62.5	67.2	107	1.92	30	80	128
Bromoform	ND	67.6	56.0	82.9	62.5	56.3	90.1	0.504	30	62	119
Bromomethane	ND	67.6	47.9	70.9	62.5	51.6	82.6	7.51	30	66	141
Carbon disulfide	ND	67.6	63.8	87.7	62.5	61.8	91.5	3.23	30	63	130
Carbon tetrachloride	ND	67.6	53.6	79.3	62.5	55.9	89.5	4.24	30	75	137
Chlorobenzene	ND	67.6	56.7	83.9	62.5	58.4	93.5	3.04	45	72	132
Chloroethane	ND	67.6	118	174 *	62.5	116	185 *	1.62	30	75	132
Chloroform	ND	67.6	69.4	103	62.5	69.2	111	0.282	30	75	127
Chloromethane	ND	67.6	66.0	97.8	62.5	64.2	103	2.76	30	70	128
cis-1,3-Dichloropropene	ND	67.6	56.5	83.6	62.5	56.1	89.8	0.597	30	81	135
Dibromochloromethane	ND	67.6	65.4	96.9	62.5	66.9	107	2.23	30	72	134
Ethylbenzene	ND	67.6	57.4	84.9	62.5	59.4	95.1	3.56	30	67	135
Hexachloroethane	ND	67.6	36.8	54.4	62.5	44.2	70.7	18.4	30	53	121
Isobutyl alcohol	ND	676	362	53.5	625	315	50.4	13.7	30	47	147
Methyl tert-butyl ether	ND	67.6	58.4	86.4	62.5	58.0	92.7	0.736	30	80	129
Methylene chloride	ND	67.6	63.3	93.7	62.5	63.7	102	0.682	30	74	143
Styrene	ND	67.6	48.8	72.3	62.5	50.6	80.9	3.49	30	69	139

Qualifiers:
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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
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LAFAYETTE LABORATORY
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(337) 237-4775

Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09021066**
Method: **SW8260B** **Lab Batch ID:** **022709A1**

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

Sample Spiked: 09021066-05
RunID: HB_090228A-2993201 Units: ug/Kg
Analysis Date: 02/28/2009 20:56 Analyst: TDD
Preparation Date: 02/27/2009 16:40 Prep By: cah Method: SW5035

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Tetrachloroethene	ND	67.6	68.4	101	62.5	70.8	113	3.43	30	68	139
Toluene	ND	67.6	59.4	86.9	62.5	58.9	93.1	0.922	39	79	123
trans-1,3-Dichloropropene	ND	67.6	58.9	87.2	62.5	58.1	93.0	1.36	30	75	141
Trichloroethene	ND	67.6	62.6	92.7	62.5	63.4	101	1.22	25	82	128
Trichlorofluoromethane	ND	67.6	92.9	137 *	62.5	93.3	149 *	0.448	30	70	134
Vinyl chloride	ND	67.6	62.9	93.2	62.5	60.8	97.2	3.54	30	72	131
cis-1,2-Dichloroethene	ND	67.6	67.3	99.6	62.5	67.6	108	0.480	30	83	124
m,p-Xylene	ND	135	126	93.6	125	131	105	3.75	30	66	133
o-Xylene	ND	67.6	59.4	88.0	62.5	60.2	96.4	1.37	30	71	134
trans-1,2-Dichloroethene	ND	67.6	66.8	98.9	62.5	64.9	104	2.95	30	78	127
1,2-Dichloroethene (total)	ND	135.1	134.1	99.24	125	132.5	106.0	1.214	30	78	126
Xylenes,Total	ND	202.6	185.4	91.70	187.5	191.2	102.1	2.994	30		
Surr: 1,2-Dichloroethane-d4	ND	67.6	73.2	108	62.5	64.6	103	12.5	30	67	158
Surr: 4-Bromofluorobenzene	ND	67.6	68.6	102	62.5	62.1	99.4	9.85	30	84	112
Surr: Toluene-d8	ND	67.6	64.5	95.5	62.5	60.3	96.4	6.78	30	89	112

Qualifiers:
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J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09021066**
Method: **SW8260B** **Lab Batch ID:** **022709A2**

Method Blank

RunID: XB_090302A-2995025 Units: ug/Kg
Analysis Date: 03/02/2009 11:36 Analyst: TDD
Preparation Date: 03/02/2009 11:36 Prep By: Method: SW5035

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-06A	SD-3507ACE-LON-B2
09021066-08A	SD-3507ACE-17ST-B2

Analyte	Result	Rep Limit
1,1,1,2-Tetrachloroethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1,2,2-Tetrachloroethane	ND	2.0
1,1,2-Trichloroethane	ND	5.0
1,1-Dichloroethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,2-Dibromo-3-chloropropane	ND	3.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dichloroethane	ND	5.0
1,2-Dichloropropane	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
2-Butanone	ND	20
4-Methyl-2-pentanone	ND	10
Acetone	ND	100
Benzene	ND	5.0
Bromodichloromethane	ND	5.0
Bromoform	ND	5.0
Bromomethane	ND	10
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	5.0
Chlorobenzene	ND	5.0
Chloroethane	ND	5.0
Chloroform	ND	5.0
Chloromethane	ND	10
cis-1,3-Dichloropropene	ND	5.0
Dibromochloromethane	ND	5.0
Ethylbenzene	ND	5.0
Hexachloroethane	ND	5.0
Isobutyl alcohol	ND	100
Methyl tert-butyl ether	ND	5.0
Methylene chloride	ND	10
Styrene	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Trichlorofluoromethane	ND	5.0
Vinyl chloride	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,2-Dichloroethene (total)	ND	5.0
1,3-Dichloropropene,Total	ND	5.0
Xylenes,Total	ND	5.0

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09021066**
Method: **SW8260B** **Lab Batch ID:** **022709A2**

Method Blank

RunID: XB_090302A-2995025 Units: ug/Kg
Analysis Date: 03/02/2009 11:36 Analyst: TDD
Preparation Date: 03/02/2009 11:36 Prep By: Method: SW5035

Analyte	Result	Rep Limit
Surr: 1,2-Dichloroethane-d4	113.7	67-158
Surr: 4-Bromofluorobenzene	104.1	84-112
Surr: Toluene-d8	102.0	89-112

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

RunID: XB_090302A-2995023 Units: ug/Kg
Analysis Date: 03/02/2009 10:16 Analyst: TDD
Preparation Date: 03/02/2009 10:16 Prep By: Method: SW5035

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	50.0	53.8	108	50.0	52.3	105	2.8	30	79	124
1,1,1-Trichloroethane	50.0	45.8	91.5	50.0	45.1	90.3	1.3	30	72	129
1,1,2,2-Tetrachloroethane	50.0	43.4	86.8	50.0	45.8	91.6	5.4	30	69	140
1,1,2-Trichloroethane	50.0	49.5	99.0	50.0	51.4	103	3.8	30	73	134
1,1-Dichloroethane	50.0	47.5	95.0	50.0	46.1	92.3	2.9	30	77	127
1,1-Dichloroethene	50.0	51.4	103	50.0	49.6	99.3	3.6	25	70	128
1,2-Dibromo-3-chloropropane	50.0	46.2	92.5	50.0	46.7	93.4	1.0	30	61	128
1,2-Dichlorobenzene	50.0	49.6	99.1	50.0	50.4	101	1.6	30	76	122
1,2-Dichloroethane	50.0	45.3	90.7	50.0	46.8	93.6	3.1	30	75	128
1,2-Dichloropropane	50.0	45.9	91.8	50.0	45.4	90.9	1.0	30	79	126
1,3-Dichlorobenzene	50.0	52.8	106	50.0	52.6	105	0.3	30	71	119
1,4-Dichlorobenzene	50.0	50.7	101	50.0	51.7	103	1.9	30	72	118
2-Butanone	125	97.3	77.8	125	100	80.2	3.1	30	64	141
4-Methyl-2-pentanone	125	110	88.1	125	113	90.1	2.2	30	66	146
Acetone	125	96.8	77.4	125	100	80.4	3.8	30	69	140
Benzene	50.0	50.7	101	50.0	49.5	99.0	2.4	21	77	121
Bromodichloromethane	50.0	49.6	99.2	50.0	48.4	96.8	2.4	30	80	128
Bromoform	50.0	44.8	89.6	50.0	46.3	92.5	3.2	30	62	119
Bromomethane	50.0	40.6	81.3	50.0	39.5	79.0	2.8	30	66	141
Carbon disulfide	50.0	48.0	96.0	50.0	46.3	92.7	3.5	30	63	130
Carbon tetrachloride	50.0	44.2	88.4	50.0	42.7	85.3	3.5	30	75	137
Chlorobenzene	50.0	50.1	100	50.0	50.6	101	1.0	20	72	132

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09021066**
Method: **SW8260B** **Lab Batch ID:** **022709A2**

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

RunID: XB_090302A-2995023 Units: ug/Kg
Analysis Date: 03/02/2009 10:16 Analyst: TDD
Preparation Date: 03/02/2009 10:16 Prep By: Method: SW5035

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Chloroethane	50.0	51.3	103	50.0	47.5	95.0	7.6	30	75	132
Chloroform	50.0	48.6	97.2	50.0	48.3	96.5	0.8	30	75	127
Chloromethane	50.0	43.0	85.9	50.0	38.7	77.5	10.3	30	70	128
cis-1,3-Dichloropropene	50.0	51.2	102	50.0	51.2	102	0.0	30	81	135
Dibromochloromethane	50.0	50.5	101	50.0	51.0	102	1.1	30	72	134
Ethylbenzene	50.0	50.8	102	50.0	51.3	103	0.9	30	67	135
Hexachloroethane	50.0	49.2	98.4	50.0	48.3	96.5	1.9	30	53	121
Isobutyl alcohol	500	341	68.2	500	368	73.5	7.5	30	47	147
Methyl tert-butyl ether	50.0	48.5	97.0	50.0	48.5	97.1	0.1	30	80	129
Methylene chloride	50.0	53.6	107	50.0	54.9	110	2.5	30	74	143
Styrene	50.0	50.8	102	50.0	51.5	103	1.3	30	69	139
Tetrachloroethene	50.0	51.5	103	50.0	52.3	105	1.6	30	68	139
Toluene	50.0	52.5	105	50.0	51.7	103	1.7	20	79	123
trans-1,3-Dichloropropene	50.0	51.2	102	50.0	52.9	106	3.1	30	75	141
Trichloroethene	50.0	52.4	105	50.0	50.4	101	3.9	23	82	128
Trichlorofluoromethane	50.0	43.0	85.9	50.0	42.9	85.7	0.2	30	70	134
Vinyl chloride	50.0	43.1	86.2	50.0	41.3	82.7	4.1	30	72	131
cis-1,2-Dichloroethene	50.0	53.1	106	50.0	52.1	104	1.8	30	83	124
m,p-Xylene	100	101	101	100	102	102	0.6	30	66	133
o-Xylene	50.0	48.8	97.5	50.0	48.6	97.3	0.3	30	71	134
trans-1,2-Dichloroethene	50.0	51.7	103	50.0	49.4	98.8	4.5	30	78	127
1,2-Dichloroethene (total)	100.0	104.8	104.8	100.0	101.5	101.5	3.1	30	78	126
Xylenes,Total	150.0	149.8	100.0	150.0	150.6	100.3	0.3	30		
Surr: 1,2-Dichloroethane-d4	50.0	44.5	89.1	50.0	46.1	92.3	3.5	30	67	158
Surr: 4-Bromofluorobenzene	50.0	49.1	98.2	50.0	48.8	97.7	0.5	30	84	112
Surr: Toluene-d8	50.0	52.4	105	50.0	51.5	103	1.7	30	89	112

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **TCLP Volatile Organics** **WorkOrder:** **09021066**
Method: **SW8260B** **Lab Batch ID:** **77735**

Method Blank

RunID: HA_090303A-2995968 Units: ug/L
Analysis Date: 03/03/2009 15:34 Analyst: DN
Preparation Date: 03/03/2009 15:34 Prep By: Method: SW5035

Analyte	Result	Rep Limit
1,1-Dichloroethene	ND	5.0
1,2-Dichloroethane	ND	5.0
2-Butanone	ND	10
Benzene	ND	5.0
Carbon tetrachloride	ND	5.0
Chlorobenzene	ND	5.0
Chloroform	ND	5.0
Tetrachloroethene	ND	5.0
Trichloroethene	ND	5.0
Vinyl chloride	ND	10
Surr: 1,2-Dichloroethane-d4	86.2	75-120
Surr: 4-Bromofluorobenzene	99.8	89-109
Surr: Toluene-d8	97.4	89-110

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-11A	SD-3507ACE-ORL-WASTE
09021066-12A	SD-3507ACE-LON-WASTE
09021066-13A	SD-3507ACE-17ST-WASTE

Leachate Blank

RunID: HA_090303A-2995969 Units: mg/L
Analysis Date: 03/03/2009 16:00 Analyst: DN

Analyte	Result	Rep Limit
1,1-Dichloroethene	ND	0.0050
1,2-Dichloroethane	ND	0.00050
2-Butanone	ND	0.0050
Benzene	ND	0.0050
Carbon tetrachloride	ND	0.0050
Chlorobenzene	ND	0.0050
Chloroform	ND	0.0050
Tetrachloroethene	ND	0.00050
Trichloroethene	ND	0.00050
Vinyl chloride	ND	0.0010
Surr: 1,2-Dichloroethane-d4	88.0	71-116
Surr: 4-Bromofluorobenzene	99.1	86-109
Surr: Toluene-d8	97.4	90-109

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

RunID: HA_090303A-2995970 Units: mg/L
Analysis Date: 03/03/2009 16:26 Analyst: DN

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
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **TCLP Volatile Organics** **WorkOrder:** **09021066**
Method: **SW8260B** **Lab Batch ID:** **77735**

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
1,1-Dichloroethene	0.200	0.184	92.1	0.200	0.183	91.7	0.4	16	76	118
1,2-Dichloroethane	0.200	0.179	89.3	0.200	0.179	89.3	0.0	15	78	118
2-Butanone	0.500	0.364	72.8	0.500	0.380	76.0	4.3	28	41	139
Benzene	0.200	0.186	92.9	0.200	0.187	93.7	0.9	13	81	119
Carbon tetrachloride	0.200	0.178	88.9	0.200	0.184	92.0	3.4	14	57	124
Chlorobenzene	0.200	0.188	94.0	0.200	0.198	98.8	5.0	10	85	111
Chloroform	0.200	0.171	85.5	0.200	0.176	87.8	2.6	15	73	122
Tetrachloroethene	0.200	0.192	96.0	0.200	0.205	102	6.4	13	73	124
Trichloroethene	0.200	0.194	96.8	0.200	0.193	96.3	0.5	15	78	119
Vinyl chloride	0.200	0.142	70.8	0.200	0.143	71.3	0.6	22	64	124
Surr: 1,2-Dichloroethane-d4	500	437	87.3	500	442	88.4	1.2	30	71	116
Surr: 4-Bromofluorobenzene	500	503	101	500	506	101	0.5	30	86	109
Surr: Toluene-d8	500	492	98.5	500	492	98.3	0.2	30	90	109

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

Sample Spiked: 09021066-11
RunID: HA_090303A-2995975 Units: mg/L
Analysis Date: 03/03/2009 18:35 Analyst: DN

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1-Dichloroethene	ND	0.2	0.182	91.2	0.2	0.178	88.9	2.49	16	76	118
1,2-Dichloroethane	ND	0.2	0.177	88.5	0.2	0.178	88.9	0.526	15	78	118
2-Butanone	ND	0.5	0.338	67.7	0.5	0.358	71.7	5.80	28	41	139
Benzene	ND	0.2	0.191	95.4	0.2	0.184	92.1	3.49	13	81	119
Carbon tetrachloride	ND	0.2	0.184	91.9	0.2	0.181	90.5	1.54	14	57	124
Chlorobenzene	ND	0.2	0.191	95.3	0.2	0.190	95.0	0.262	10	85	111
Chloroform	ND	0.2	0.174	86.8	0.2	0.173	86.5	0.365	15	73	122
Tetrachloroethene	ND	0.2	0.203	101	0.2	0.200	100	1.24	13	73	124
Trichloroethene	ND	0.2	0.192	96.2	0.2	0.189	94.3	2.03	15	78	119
Vinyl chloride	ND	0.2	0.139	69.5	0.2	0.135	67.3	3.17	22	64	124
Surr: 1,2-Dichloroethane-d4	ND	500	435	87.0	500	443	88.6	1.86	30	71	116
Surr: 4-Bromofluorobenzene	ND	500	507	101	500	497	99.3	2.01	30	86	109
Surr: Toluene-d8	ND	500	494	98.9	500	495	99.1	0.209	30	90	109

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
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LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
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(337) 237-4775

Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09021066**
Method: **SW8260B** **Lab Batch ID:** **R199829**

Method Blank

RunID: IA_090227B-2992170 Units: ug/L
Analysis Date: 02/27/2009 15:15 Analyst: TDD
Preparation Date: 02/27/2009 15:15 Prep By: Method: SW5035

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-01A	W-3507ACE-FB-2-26
09021066-02A	W-3507ACE-TB-2-26
09021066-03A	W-3507ACE-RB-LON-B2-2-2

Analyte	Result	Rep Limit
1,1,1,2-Tetrachloroethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1,2,2-Tetrachloroethane	ND	0.50
1,1,2-Trichloroethane	ND	5.0
1,1-Dichloroethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,2-Dibromo-3-chloropropane	ND	1.0
1,2-Dichlorobenzene	ND	1.0
1,2-Dichloroethane	ND	5.0
1,2-Dichloropropane	ND	2.0
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0
2-Butanone	ND	10
4-Methyl-2-pentanone	ND	10
Acetone	ND	50
Benzene	ND	5.0
Bromodichloromethane	ND	5.0
Bromoform	ND	5.0
Bromomethane	ND	10
Carbon disulfide	ND	5.0
Carbon tetrachloride	ND	5.0
Chlorobenzene	ND	5.0
Chloroethane	ND	5.0
Chloroform	ND	5.0
Chloromethane	ND	5.0
cis-1,3-Dichloropropene	ND	3.0
Dibromochloromethane	ND	5.0
Ethylbenzene	ND	5.0
Hexachloroethane	ND	5.0
Isobutyl alcohol	ND	100
Methyl tert-butyl ether	ND	1.0
Methylene chloride	ND	5.0
Styrene	ND	5.0
Tetrachloroethene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	3.0
Trichloroethene	ND	5.0
Trichlorofluoromethane	ND	5.0
Vinyl chloride	ND	1.0
cis-1,2-Dichloroethene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
1,2-Dichloroethene (total)	ND	5.0
1,3-Dichloropropene,Total	ND	5.0
Xylenes,Total	ND	5.0

Qualifiers:
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N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: Volatile Organics-RECAP Method 8260B **WorkOrder:** 09021066
Method: SW8260B **Lab Batch ID:** R199829

Method Blank

RunID: IA_090227B-2992170 Units: ug/L
Analysis Date: 02/27/2009 15:15 Analyst: TDD
Preparation Date: 02/27/2009 15:15 Prep By: Method: SW5035

Analyte	Result	Rep Limit
Surr: 1,2-Dichloroethane-d4	101.9	75-120
Surr: 4-Bromofluorobenzene	99.0	89-109
Surr: Toluene-d8	102.1	89-110

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

RunID: IA_090227B-2992168 Units: ug/L
Analysis Date: 02/27/2009 13:56 Analyst: TDD

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	50.0	48.3	96.6	50.0	46.9	93.8	3.0	21	83	124
1,1,1-Trichloroethane	50.0	47.7	95.4	50.0	48.1	96.2	0.9	26	79	127
1,1,2,2-Tetrachloroethane	50.0	54.0	108	50.0	51.7	103	4.3	26	73	128
1,1,2-Trichloroethane	50.0	51.3	103	50.0	52.1	104	1.6	20	84	121
1,1-Dichloroethane	50.0	50.5	101	50.0	51.4	103	1.7	23	79	125
1,1-Dichloroethene	50.0	47.3	94.5	50.0	48.0	95.9	1.4	23	84	123
1,2-Dibromo-3-chloropropane	50.0	58.6	117	50.0	54.2	108	7.7	35	54	131
1,2-Dichlorobenzene	50.0	52.8	106	50.0	51.5	103	2.4	21	84	116
1,2-Dichloroethane	50.0	49.6	99.1	50.0	49.8	99.5	0.4	21	80	124
1,2-Dichloropropane	50.0	50.2	100	50.0	51.1	102	1.8	27	82	121
1,3-Dichlorobenzene	50.0	49.7	99.3	50.0	49.8	99.6	0.3	18	84	116
1,4-Dichlorobenzene	50.0	50.9	102	50.0	50.3	101	1.3	21	84	115
2-Butanone	125	173	138	125	166	133	4.4	50	45	144
4-Methyl-2-pentanone	125	145	116	125	141	113	2.6	30	63	134
Acetone	125	172	138	125	170	136	1.3	58	11	192
Benzene	50.0	48.7	97.4	50.0	49.7	99.3	1.9	23	88	117
Bromodichloromethane	50.0	49.6	99.2	50.0	50.2	100	1.2	21	82	125
Bromoform	50.0	50.8	102	50.0	49.6	99.2	2.4	27	60	126
Bromomethane	50.0	39.4	78.9	50.0	42.9	85.8	8.4	28	56	153
Carbon disulfide	50.0	48.9	97.8	50.0	49.2	98.4	0.6	23	70	130
Carbon tetrachloride	50.0	52.5	105	50.0	52.9	106	0.7	35	77	123
Chlorobenzene	50.0	47.9	95.8	50.0	48.7	97.3	1.6	19	87	119

Qualifiers:
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: Volatile Organics-RECAP Method 8260B **WorkOrder:** 09021066
Method: SW8260B **Lab Batch ID:** R199829

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

RunID: IA_090227B-2992168 Units: ug/L
Analysis Date: 02/27/2009 13:56 Analyst: TDD

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Chloroethane	50.0	56.2	112	50.0	55.1	110	2.1	26	69	134
Chloroform	50.0	48.1	96.2	50.0	49.2	98.4	2.3	42	79	123
Chloromethane	50.0	42.9	85.8	50.0	42.3	84.5	1.5	28	62	137
cis-1,3-Dichloropropene	50.0	53.0	106	50.0	52.7	105	0.5	20	79	126
Dibromochloromethane	50.0	47.9	95.9	50.0	48.8	97.6	1.8	20	74	122
Ethylbenzene	50.0	48.2	96.5	50.0	49.0	98.0	1.6	16	90	114
Hexachloroethane	50.0	50.0	99.9	50.0	50.7	101	1.5	27	62	121
Isobutyl alcohol	500	587	117	500	560	112	4.8	50	34	156
Methyl tert-butyl ether	50.0	53.1	106	50.0	51.6	103	2.8	23	80	124
Methylene chloride	50.0	52.4	105	50.0	52.5	105	0.1	22	77	124
Styrene	50.0	51.2	102	50.0	51.3	103	0.1	19	87	119
Tetrachloroethene	50.0	45.9	91.8	50.0	45.8	91.6	0.2	20	81	125
Toluene	50.0	49.3	98.5	50.0	49.6	99.2	0.7	21	84	118
trans-1,3-Dichloropropene	50.0	52.5	105	50.0	51.0	102	2.9	20	79	128
Trichloroethene	50.0	48.3	96.5	50.0	49.2	98.4	1.9	20	84	124
Trichlorofluoromethane	50.0	47.0	94.0	50.0	46.4	92.9	1.2	25	78	132
Vinyl chloride	50.0	42.3	84.5	50.0	41.9	83.9	0.8	20	71	130
cis-1,2-Dichloroethene	50.0	48.5	97.1	50.0	48.3	96.7	0.4	28	81	123
m,p-Xylene	100	100	100	100	100	100	0.4	20	86	114
o-Xylene	50.0	49.3	98.7	50.0	49.6	99.1	0.5	17	87	117
trans-1,2-Dichloroethene	50.0	50.5	101	50.0	50.5	101	0.1	22	80	123
1,2-Dichloroethene (total)	100	99	99	100	99	99	0.2	28	82	122
1,3-Dichloropropene,Total	100	106	105	100	104	104	1.7	20	79	128
Xylenes,Total	150.0	149.3	99.54	150.0	149.6	99.95	0.4	20	86	117
Surr: 1,2-Dichloroethane-d4	50.0	50.2	100	50.0	49.3	98.6	1.8	30	75	120
Surr: 4-Bromofluorobenzene	50.0	49.7	99.3	50.0	49.3	98.7	0.6	30	89	109
Surr: Toluene-d8	50.0	50.4	101	50.0	51.2	102	1.6	30	89	110

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

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09021066**
Method: **SW8260B** **Lab Batch ID:** **R199829**

Sample Spiked: 09021007-09
RunID: IA_090227B-2992182 Units: mg/L
Analysis Date: 02/27/2009 20:32 Analyst: TDD

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND	0.05	0.0460	92.0	0.05	0.0449	89.9	2.38	21	50	150
1,1,1-Trichloroethane	ND	0.05	0.0469	93.8	0.05	0.0449	89.9	4.31	26	50	150
1,1,2,2-Tetrachloroethane	ND	0.05	0.0510	102	0.05	0.0502	100	1.66	26	50	150
1,1,2-Trichloroethane	ND	0.05	0.0511	102	0.05	0.0488	97.6	4.59	20	50	150
1,1-Dichloroethane	ND	0.05	0.0508	102	0.05	0.0490	98.0	3.60	23	50	150
1,1-Dichloroethene	ND	0.05	0.0470	94.0	0.05	0.0465	93.0	1.00	23	69	150
1,2-Dibromo-3-chloropropane	ND	0.05	0.0483	96.7	0.05	0.0526	105	8.41	35	50	150
1,2-Dichlorobenzene	ND	0.05	0.0478	95.5	0.05	0.0468	93.7	1.92	21	50	150
1,2-Dichloroethane	ND	0.05	0.0474	94.8	0.05	0.0457	91.5	3.52	21	50	150
1,2-Dichloropropane	ND	0.05	0.0493	98.6	0.05	0.0463	92.6	6.21	27	50	150
1,3-Dichlorobenzene	ND	0.05	0.0450	90.0	0.05	0.0439	87.8	2.50	18	50	150
1,4-Dichlorobenzene	ND	0.05	0.0449	89.7	0.05	0.0443	88.6	1.27	21	50	150
2-Butanone	ND	0.125	0.136	109	0.125	0.136	109	0.436	50	50	150
4-Methyl-2-pentanone	ND	0.125	0.134	107	0.125	0.137	110	2.33	30	50	150
Acetone	ND	0.125	0.114	91.4	0.125	0.113	90.2	1.41	58	50	150
Benzene	ND	0.05	0.0472	94.4	0.05	0.0461	92.1	2.40	23	77	127
Bromodichloromethane	ND	0.05	0.0479	95.8	0.05	0.0469	93.9	2.03	21	50	150
Bromoform	ND	0.05	0.0474	94.8	0.05	0.0454	90.7	4.32	27	50	150
Bromomethane	ND	0.05	0.0285	56.9	0.05	0.0305	61.0	6.92	28	50	150
Carbon disulfide	ND	0.05	0.0488	97.5	0.05	0.0477	95.3	2.26	23	50	150
Carbon tetrachloride	ND	0.05	0.0495	99.1	0.05	0.0499	99.8	0.728	35	50	150
Chlorobenzene	ND	0.05	0.0464	92.8	0.05	0.0440	88.1	5.24	19	75	120
Chloroethane	ND	0.05	0.0582	116	0.05	0.0527	105	9.87	26	50	150
Chloroform	ND	0.05	0.0483	96.6	0.05	0.0465	93.1	3.72	42	50	150
Chloromethane	ND	0.05	0.0434	86.9	0.05	0.0420	84.1	3.25	28	50	150
cis-1,3-Dichloropropene	ND	0.05	0.0487	97.4	0.05	0.0477	95.5	2.01	20	50	150
Dibromochloromethane	ND	0.05	0.0460	92.0	0.05	0.0452	90.4	1.79	20	50	150
Ethylbenzene	ND	0.05	0.0457	91.3	0.05	0.0445	89.0	2.58	16	50	150
Hexachloroethane	ND	0.05	0.0486	97.1	0.05	0.0484	96.8	0.368	27	50	150
Isobutyl alcohol	ND	0.5	0.462	92.4	0.5	0.483	96.7	4.57	50	50	150
Methyl tert-butyl ether	ND	0.05	0.0509	102	0.05	0.0493	98.6	3.15	23	50	150
Methylene chloride	ND	0.05	0.0475	95.1	0.05	0.0469	93.7	1.41	22	50	150
Styrene	ND	0.05	0.0476	95.3	0.05	0.0462	92.3	3.12	19	50	150

Qualifiers:
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B/V - Analyte detected in the associated Method Blank
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09021066**
Method: **SW8260B** **Lab Batch ID:** **R199829**

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

Sample Spiked: 09021007-09
RunID: IA_090227B-2992182 Units: mg/L
Analysis Date: 02/27/2009 20:32 Analyst: TDD

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Tetrachloroethene	ND	0.05	0.0429	85.8	0.05	0.0407	81.5	5.21	20	50	150
Toluene	ND	0.05	0.0476	95.2	0.05	0.0444	88.9	6.85	21	71	135
trans-1,3-Dichloropropene	ND	0.05	0.0489	97.7	0.05	0.0474	94.9	2.98	20	50	150
Trichloroethene	ND	0.05	0.0457	91.3	0.05	0.0432	86.5	5.48	20	74	129
Trichlorofluoromethane	ND	0.05	0.0477	95.5	0.05	0.0467	93.4	2.18	25	50	150
Vinyl chloride	ND	0.05	0.0421	84.1	0.05	0.0416	83.3	1.02	20	50	150
cis-1,2-Dichloroethene	ND	0.05	0.0475	95.0	0.05	0.0463	92.6	2.58	28	50	150
m,p-Xylene	ND	0.1	0.0924	92.4	0.1	0.0887	88.7	4.07	20	50	150
o-Xylene	ND	0.05	0.0469	93.7	0.05	0.0456	91.2	2.70	17	50	150
trans-1,2-Dichloroethene	ND	0.05	0.0495	99.0	0.05	0.0463	92.5	6.82	22	50	150
1,2-Dichloroethene (total)	ND	0.1	0.097	97	0.1	0.093	93	4.7	28	50	150
1,3-Dichloropropene,Total	ND	0.1	0.0976	97.6	0.1	0.0951	95.2	2.49	20	50	150
Xylenes,Total	ND	0.15	0.1393	92.84	0.15	0.1343	89.55	3.603	20	50	150
Surr: 1,2-Dichloroethane-d4	ND	50	50.9	102	50	50.3	101	1.12	30	75	120
Surr: 4-Bromofluorobenzene	ND	50	49	97.9	50	49.4	98.8	0.893	30	89	109
Surr: Toluene-d8	ND	50	50.4	101	50	50.5	101	0.153	30	89	110

Qualifiers:
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09021066**
Method: **SW8260B** **Lab Batch ID:** **R200010**

Method Blank

RunID: QB_090303C-2995668 Units: ug/L
Analysis Date: 03/03/2009 11:35 Analyst: DN
Preparation Date: 03/03/2009 11:35 Prep By: Method: SW5035

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021066-07A	SD-3507ACE-LON-B1

Analyte	Result	Rep Limit
1,1,1,2-Tetrachloroethane	ND	0.50
1,1,1-Trichloroethane	ND	0.50
1,1,2,2-Tetrachloroethane	ND	0.50
1,1,2-Trichloroethane	ND	0.50
1,1-Dichloroethane	ND	0.50
1,1-Dichloroethene	ND	0.50
1,2-Dibromo-3-chloropropane	ND	2.0
1,2-Dichlorobenzene	ND	0.50
1,2-Dichloroethane	ND	0.50
1,2-Dichloropropane	ND	0.50
1,3-Dichlorobenzene	ND	0.50
1,4-Dichlorobenzene	ND	0.50
2-Butanone	ND	5.0
4-Methyl-2-pentanone	ND	5.0
Acetone	ND	10
Benzene	ND	0.50
Bromodichloromethane	ND	0.50
Bromoform	ND	0.50
Bromomethane	ND	1.0
Carbon disulfide	ND	0.50
Carbon tetrachloride	ND	2.0
Chlorobenzene	ND	0.50
Chloroethane	ND	5.0
Chloroform	ND	0.50
Chloromethane	ND	0.50
cis-1,3-Dichloropropene	ND	0.50
Dibromochloromethane	ND	0.50
Ethylbenzene	ND	0.50
Hexachloroethane	ND	1.0
Isobutyl alcohol	ND	5.0
Methyl tert-butyl ether	ND	0.50
Methylene chloride	ND	5.0
Styrene	ND	0.50
Tetrachloroethene	ND	0.50
Toluene	ND	0.50
trans-1,3-Dichloropropene	ND	0.50
Trichloroethene	ND	0.50
Trichlorofluoromethane	ND	0.50
Vinyl chloride	ND	0.50
cis-1,2-Dichloroethene	ND	0.50
m,p-Xylene	ND	1.0
o-Xylene	ND	0.50
trans-1,2-Dichloroethene	ND	0.50
1,2-Dichloroethene (total)	ND	1.0
1,3-Dichloropropene,Total	ND	1.0
Xylenes,Total	ND	0.50

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

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

Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09021066**
Method: **SW8260B** **Lab Batch ID:** **R200010**

Method Blank

RunID: QB_090303C-2995668 Units: ug/L
Analysis Date: 03/03/2009 11:35 Analyst: DN
Preparation Date: 03/03/2009 11:35 Prep By: Method: SW5035

Analyte	Result	Rep Limit
Surr: 1,2-Dichloroethane-d4	88.8	75-120
Surr: 4-Bromofluorobenzene	98.8	89-109
Surr: Toluene-d8	99.8	89-110

Methanolic Preparation Blank

RunID: QB_090303C-2995669 Units: ug/Kg
Analysis Date: 03/03/2009 12:05 Analyst: DN
Preparation Date: 03/03/2009 12:05 Prep By: Method: SW5035

Analyte	Result	Rep Limit
1,1,1,2-Tetrachloroethane	ND	250
1,1,1-Trichloroethane	ND	250
1,1,2,2-Tetrachloroethane	ND	250
1,1,2-Trichloroethane	ND	250
1,1-Dichloroethane	ND	250
1,1-Dichloroethene	ND	250
1,2-Dibromo-3-chloropropane	ND	250
1,2-Dichlorobenzene	ND	250
1,2-Dichloroethane	ND	250
1,2-Dichloropropane	ND	250
1,3-Dichlorobenzene	ND	250
1,4-Dichlorobenzene	ND	250
2-Butanone	ND	1000
4-Methyl-2-pentanone	ND	500
Acetone	ND	5000
Benzene	ND	250
Bromodichloromethane	ND	250
Bromoform	ND	250
Bromomethane	ND	500
Carbon disulfide	ND	250
Carbon tetrachloride	ND	250
Chlorobenzene	ND	250
Chloroethane	ND	500
Chloroform	ND	250
Chloromethane	ND	250
cis-1,3-Dichloropropene	ND	250
Dibromochloromethane	ND	250
Ethylbenzene	ND	250
Hexachloroethane	ND	250
Isobutyl alcohol	ND	5000
Methyl tert-butyl ether	ND	250
Methylene chloride	ND	500
Styrene	ND	250

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

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09021066**
Method: **SW8260B** **Lab Batch ID:** **R200010**

Methanolic Preparation Blank

RunID: QB_090303C-2995669 Units: ug/Kg
Analysis Date: 03/03/2009 12:05 Analyst: DN
Preparation Date: 03/03/2009 12:05 Prep By: Method: SW5035

Analyte	Result	Rep Limit
Tetrachloroethene	ND	250
Toluene	ND	250
trans-1,3-Dichloropropene	ND	250
Trichloroethene	ND	250
Trichlorofluoromethane	ND	250
Vinyl chloride	ND	500
cis-1,2-Dichloroethene	ND	250
m,p-Xylene	ND	250
o-Xylene	ND	250
trans-1,2-Dichloroethene	ND	250
1,2-Dichloroethene (total)	ND	250
1,3-Dichloropropene,Total	ND	0
Xylenes,Total	ND	250
Surr: 1,2-Dichloroethane-d4	86.8	62-134
Surr: 4-Bromofluorobenzene	101.4	75-128
Surr: Toluene-d8	105.0	78-120

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

RunID: QB_090303C-2995670 Units: ug/L
Analysis Date: 03/03/2009 13:05 Analyst: DN

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	50.0	51.7	103	50.0	52.5	105	1.6	21	83	124
1,1,1-Trichloroethane	50.0	52.0	104	50.0	50.9	102	2.3	26	79	127
1,1,2,2-Tetrachloroethane	50.0	46.9	93.9	50.0	46.5	92.9	1.0	26	73	128
1,1,2-Trichloroethane	50.0	45.7	91.5	50.0	46.5	93.0	1.6	20	84	121
1,1-Dichloroethane	50.0	45.6	91.2	50.0	44.0	87.9	3.7	23	79	125
1,1-Dichloroethene	50.0	50.2	100	50.0	48.9	97.8	2.7	23	84	123
1,2-Dibromo-3-chloropropane	50.0	41.1	82.2	50.0	40.9	81.8	0.6	35	54	131
1,2-Dichlorobenzene	50.0	47.4	94.8	50.0	47.4	94.8	0.0	21	84	116
1,2-Dichloroethane	50.0	46.6	93.2	50.0	45.5	91.0	2.3	21	80	124
1,2-Dichloropropane	50.0	46.4	92.8	50.0	45.8	91.7	1.2	27	82	121
1,3-Dichlorobenzene	50.0	47.2	94.3	50.0	47.1	94.3	0.1	18	84	116
1,4-Dichlorobenzene	50.0	46.1	92.3	50.0	46.2	92.5	0.2	21	84	115

Qualifiers:
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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

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: Volatile Organics-RECAP Method 8260B **WorkOrder:** 09021066
Method: SW8260B **Lab Batch ID:** R200010

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

RunID: QB_090303C-2995670 Units: ug/L
Analysis Date: 03/03/2009 13:05 Analyst: DN

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
2-Butanone	125	105	84.0	125	94.6	75.6	10.4	50	45	144
4-Methyl-2-pentanone	125	105	84.4	125	101	80.9	4.2	30	63	134
Acetone	125	100	80.4	125	88.9	71.1	12.2	58	11	192
Benzene	50.0	48.6	97.2	50.0	48.2	96.4	0.9	23	88	117
Bromodichloromethane	50.0	49.2	98.4	50.0	49.0	98.1	0.3	21	82	125
Bromoform	50.0	40.7	81.4	50.0	41.7	83.5	2.6	27	60	126
Bromomethane	50.0	52.2	104	50.0	55.2	110	5.6	28	56	153
Carbon disulfide	50.0	48.8	97.6	50.0	48.8	97.6	0.1	23	70	130
Carbon tetrachloride	50.0	46.4	92.8	50.0	46.5	93.1	0.3	35	77	123
Chlorobenzene	50.0	48.4	96.8	50.0	48.4	96.8	0.0	19	87	119
Chloroethane	50.0	51.9	104	50.0	50.7	101	2.3	26	69	134
Chloroform	50.0	46.8	93.6	50.0	45.5	90.9	2.9	42	79	123
Chloromethane	50.0	37.0	74.0	50.0	36.6	73.2	1.1	28	62	137
cis-1,3-Dichloropropene	50.0	49.2	98.5	50.0	48.6	97.3	1.2	20	79	126
Dibromochloromethane	50.0	42.8	85.5	50.0	45.8	91.5	6.8	20	74	122
Ethylbenzene	50.0	50.5	101	50.0	49.6	99.3	1.7	16	90	114
Hexachloroethane	50.0	42.8	85.5	50.0	44.1	88.2	3.0	27	62	121
Isobutyl alcohol	500	345	69.0	500	307	61.4	11.7	50	34	156
Methyl tert-butyl ether	50.0	50.5	101	50.0	49.6	99.1	1.9	23	80	124
Methylene chloride	50.0	48.0	96.0	50.0	48.7	97.3	1.3	22	77	124
Styrene	50.0	50.8	102	50.0	51.0	102	0.4	19	87	119
Tetrachloroethene	50.0	48.5	97.0	50.0	47.8	95.6	1.4	20	81	125
Toluene	50.0	48.4	96.9	50.0	48.4	96.8	0.1	21	84	118
trans-1,3-Dichloropropene	50.0	48.6	97.2	50.0	47.9	95.7	1.6	20	79	128
Trichloroethene	50.0	48.4	96.8	50.0	48.4	96.9	0.1	20	84	124
Trichlorofluoromethane	50.0	51.3	103	50.0	50.4	101	1.7	25	78	132
Vinyl chloride	50.0	41.9	83.8	50.0	39.4	78.8	6.1	20	71	130
cis-1,2-Dichloroethene	50.0	46.1	92.2	50.0	43.2	86.5	6.4	28	81	123
m,p-Xylene	100	104	104	100	103	103	0.3	20	86	114
o-Xylene	50.0	50.2	100	50.0	50.1	100	0.2	17	87	117
trans-1,2-Dichloroethene	50.0	51.3	103	50.0	50.0	100	2.5	22	80	123
1,2-Dichloroethene (total)	100	97.4	97.4	100	93.2	93.2	4.3	28	82	122
1,3-Dichloropropene,Total	100	97.8	97.9	100	96.5	96.5	1.4	20	79	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
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* - Recovery Outside Advisable QC Limits
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SCOTT, LA 70583
(337) 237-4775

Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3507 ACE LIMITED PIIESA-PERMANENT PUMP

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09021066**
Method: **SW8260B** **Lab Batch ID:** **R200010**

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

RunID: QB_090303C-2995670 Units: ug/L
Analysis Date: 03/03/2009 13:05 Analyst: DN

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Xylenes,Total	150.0	154.2	102.6	150.0	153.1	102.4	0.3	20	86	117
Surr: 1,2-Dichloroethane-d4	50.0	45.8	91.6	50.0	45.0	90.1	1.7	30	75	120
Surr: 4-Bromofluorobenzene	50.0	50.0	100	50.0	49.7	99.5	0.6	30	89	109
Surr: Toluene-d8	50.0	48.8	97.5	50.0	49.4	98.8	1.2	30	89	110

Qualifiers:
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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.
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HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:

SPL, Inc.

Certificate of Analysis Number:

09021072

Report To:		**Project Name:**	**MATERIALS MANAGEMENT GROUP, I**
SPL, Inc.		**Site:**	**Louisiana**
Kitty Davis Baudoin		**Site Address:**	
500 Ambassador Caffery Parkway			
Scott		**PO Number:**	**09021066**
LA		**State:**	**Louisiana**
70583-8544		**State Cert. No.:**	**02029**
ph (337) 237-4775	**fax:**	**Date Reported:**	

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg\kg-dry " or " ug\kg-dry ").

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 only for those samples which are spiked by the laboratory. 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.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

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.

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

Agnes V. Vicknair

3/5/2009

Agnes V. Vicknair
Project Manager

Date

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

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

SPL, Inc.

Certificate of Analysis Number:

09021072

Report To: **SPL, Inc.**
Kitty Davis Baudoin
500 Ambassador Caffery Parkway

Scott
LA
70583-8544
ph (337) 237-4775 **fax: (337) 237-8005**

Fax To:

Project Name: **MATERIALS MANAGEMENT GROUP, I**
Site: **Louisiana**
Site Address:

PO Number: **09021066**
State: **Louisiana**
State Cert. No.: **02029**
Date Reported:

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
SD-3507ACE-ORL-B2	09021072-01	Soil	2/26/2009 11:55:00 AM	2/28/2009 10:30:00 AM	09021066	☐
SD-3507ACE-ORL-B1	09021072-02	Soil	2/26/2009 11:30:00 AM	2/28/2009 10:30:00 AM	09021066	☐
SD-3507ACE-LON-B2	09021072-03	Soil	2/26/2009 1:10:00 PM	2/28/2009 10:30:00 AM	09021066	☐
SD-3507ACE-LON-B1	09021072-04	Soil	2/26/2009 12:55:00 PM	2/28/2009 10:30:00 AM	09021066	☐
SD-3507ACE-17ST-B2	09021072-05	Soil	2/26/2009 10:30:00 AM	2/28/2009 10:30:00 AM	09021066	☐
SD-3507ACE-17ST-B1	09021072-06	Soil	2/26/2009 10:00:00 AM	2/28/2009 10:30:00 AM	09021066	☐
SD-3507ACE-17ST-B1A	09021072-07	Soil	2/26/2009 10:00:00 AM	2/28/2009 10:30:00 AM	09021066	☐

Agnes V. Vicknair

3/5/2009

Agnes V. Vicknair
Project Manager

Date

Richard R. Reed
Laboratory Director

Ted Yen
Quality Assurance Officer

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
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Client Sample ID SD-3507ACE-ORL-B2 **Collected:** 02/26/2009 11:55 **SPL Sample ID:** 09021072-01

Site: Louisiana

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
CHLORINATED HERBICIDES BY METHOD 8151A			**MCL**	**SW8151A**	**Units: ug/Kg**		
Dinoseb	ND		33	1	03/03/09 12:45	E_S1	4930924
Surr: DCAA	39.7		% 12-139	1	03/03/09 12:45	E_S1	4930924

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	03/02/2009 10:20	QMT	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-3507ACE-ORL-B1 **Collected:** 02/26/2009 11:30 **SPL Sample ID:** 09021072-02

Site: Louisiana

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
CHLORINATED HERBICIDES BY METHOD 8151A			**MCL**	**SW8151A**	**Units: ug/Kg**		
Dinoseb	ND		33	1	03/03/09 13:04	E_S1	4930925
Surr: DCAA	81.3		% 12-139	1	03/03/09 13:04	E_S1	4930925

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	03/02/2009 10:20	QMT	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-3507ACE-LON-B2 **Collected:** 02/26/2009 13:10 **SPL Sample ID:** 09021072-03

Site: Louisiana

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
CHLORINATED HERBICIDES BY METHOD 8151A			**MCL**	**SW8151A**	**Units: ug/Kg**		
Dinoseb	ND		33	1	03/03/09 13:22	E_S1	4930926
Surr: DCAA	75.9		% 12-139	1	03/03/09 13:22	E_S1	4930926

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	03/02/2009 10:20	QMT	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-3507ACE-LON-B1 **Collected:** 02/26/2009 12:55 **SPL Sample ID:** 09021072-04

Site: Louisiana

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
CHLORINATED HERBICIDES BY METHOD 8151A			**MCL**	**SW8151A**	**Units: ug/Kg**		
Dinoseb	ND		33	1	03/03/09 13:40	E_S1	4930927
Surr: DCAA	78.8		% 12-139	1	03/03/09 13:40	E_S1	4930927

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	03/02/2009 10:20	QMT	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-3507ACE-17ST-B2 **Collected:** 02/26/2009 10:30 **SPL Sample ID:** 09021072-05

Site: Louisiana

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
CHLORINATED HERBICIDES BY METHOD 8151A			**MCL**	**SW8151A**	**Units: ug/Kg**		
Dinoseb	ND		33	1	03/03/09 14:35	E_S1	4930930
Surr: DCAA	40.7		% 12-139	1	03/03/09 14:35	E_S1	4930930

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	03/02/2009 10:20	QMT	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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HOUSTON, TX 77054
(713) 660-0901

Client Sample ID SD-3507ACE-17ST-B1 **Collected:** 02/26/2009 10:00 **SPL Sample ID:** 09021072-06

Site: Louisiana

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
CHLORINATED HERBICIDES BY METHOD 8151A			**MCL**	**SW8151A**	**Units: ug/Kg**		
Dinoseb	ND		33	1	03/03/09 14:53	E_S1	4930931
Surr: DCAA	77.5		% 12-139	1	03/03/09 14:53	E_S1	4930931

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	03/02/2009 10:20	QMT	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

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID SD-3507ACE-17ST-B1A **Collected:** 02/26/2009 10:00 **SPL Sample ID:** 09021072-07

Site: Louisiana

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
CHLORINATED HERBICIDES BY METHOD 8151A			**MCL**	**SW8151A**	**Units: ug/Kg**		
Dinoseb	ND		33	1	03/03/09 15:12	E_S1	4930932
Surr: DCAA	83.8		% 12-139	1	03/03/09 15:12	E_S1	4930932

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550B	03/02/2009 10:20	QMT	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

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Quality Control Report

SPL, Inc.

MATERIALS MANAGEMENT GROUP, INC

Analysis: Chlorinated Herbicides by Method 8151A **WorkOrder:** 09021072
Method: SW8151A **Lab Batch ID:** 88379

Method Blank

RunID: HP_9_090303A-4930935 Units: ug/Kg
Analysis Date: 03/03/2009 16:07 Analyst: E_S1
Preparation Date: 03/02/2009 10:20 Prep By: QMT Method SW3550B

Analyte	Result	Rep Limit
Dinoseb	ND	33
Surr: DCAA	88.6	12-139

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09021072-01A	SD-3507ACE-ORL-B2
09021072-02A	SD-3507ACE-ORL-B1
09021072-03A	SD-3507ACE-LON-B2
09021072-04A	SD-3507ACE-LON-B1
09021072-05A	SD-3507ACE-17ST-B2
09021072-06A	SD-3507ACE-17ST-B1
09021072-07A	SD-3507ACE-17ST-B1A

Laboratory Control Sample (LCS)

RunID: HP_9_090303A-4930933 Units: ug/Kg
Analysis Date: 03/03/2009 15:30 Analyst: E_S1
Preparation Date: 03/02/2009 10:20 Prep By: QMT Method SW3550B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Dinoseb	33.3	14.0	41.9	10	125
Surr: DCAA	33.3	18.6	55.7	12	139

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

Sample Spiked: 09021072-04
RunID: HP_9_090303A-4930928 Units: ug/Kg
Analysis Date: 03/03/2009 13:58 Analyst: E_S1
Preparation Date: 03/02/2009 10:20 Prep By: QMT 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
Dinoseb	ND	33.3	24.3	72.9	33.3	20.4	61.2	17.4	48	15	134
Surr: DCAA	ND	33.3	32.5	97.6	33.3	27.8	83.5	15.6	30	12	139

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

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Sample Receipt Checklist

Workorder:	**09021072**	Received By:	**L_C**
Date and Time Received:	**2/28/2009 10:30:00 AM**	Carrier name:	**Fedex-Priority**
Temperature:	**3.0°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.
500 Ambassador Caffery Parkway

Scott, LA 70583-8544
(337) 237-4775

CHAIN-OF-CUSTODY RECORD

09021072

Subcontractor:

SPL - Houston
8880 Interchange Dr

Houston, Texas 77054

TEL: (713) 660-0901
FAX: (713) 660-8975

Acct #: INTERCOMPANY

Company	MATERIALS MANAGEMENT GROUP, INC.
Project Manager	Jackson, Amy K.
Project Name	3507 ACE LIMITED PIIESA-PERMANENT PUMP
QCLevel	L2-RUSH
Requested State	Louisiana

2/27 TH

27-Feb-09

Sample ID	Client Sample	Matrix	Collection Date	Due Date	Requested Tests						
					SW3550B	SW8151A					
09021066-14A	SD-3507ACE-ORL-B2	Soil	02/26/09 11:55	03/03/09		1					
09021066-14A	SD-3507ACE-ORL-B2	Soil	02/26/09 11:55	03/01/09	1						
09021066-15A	SD-3507ACE-ORL-B1	Soil	02/26/09 11:30	03/03/09		1					
09021066-15A	SD-3507ACE-ORL-B1	Soil	02/26/09 11:30	03/01/09	1						
09021066-16A	SD-3507ACE-LON-B2	Soil	02/26/09 13:10	03/03/09		1					
09021066-16A	SD-3507ACE-LON-B2	Soil	02/26/09 13:10	03/01/09	1						
09021066-17A	SD-3507ACE-LON-B1	Soil	02/26/09 12:55	03/03/09		1					
09021066-17A	SD-3507ACE-LON-B1	Soil	02/26/09 12:55	03/01/09	1						
09021066-18A	SD-3507ACE-17ST-B2	Soil	02/26/09 10:30	03/03/09		1					
09021066-18A	SD-3507ACE-17ST-B2	Soil	02/26/09 10:30	03/01/09	1						
09021066-19A	SD-3507ACE-17ST-B1	Soil	02/26/09 10:00	03/03/09		1					
09021066-19A	SD-3507ACE-17ST-B1	Soil	02/26/09 10:00	03/01/09	1						
09021066-20A	SD-3507ACE-17ST-B1A	Soil	02/26/09 10:00	03/03/09		1					
09021066-20A	SD-3507ACE-17ST-B1A	Soil	02/26/09 10:00	03/01/09	1						

RUSH

3.0i

Comments: 8151 HERBICIDES - RUSH

RUSH

		Date/Time		Date/Time
Relinquished by:	J Mallet	2/27/09 1700	**Received by:**	2/28/09 10:30
Relinquished by:			**Received by:**	

AF

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 0902a066 — 281604 — page ___ of ___

Client Name: MMG

Address: 3520 General DeGaulle, N.O. LA

Phone/Fax: (504) 368-0568 (504) 368-8403

Client Contact: Karly Gibbs Email: Karlyg.ibbs@mmgnola.com

Project Name/No.: Limited PIIESA-Permanent Pump, 3507ACE

Site Name: 17th St, Orleans, London Ave Canals

Site Location: New Orleans LA

Invoice To: Mimi Lo Ph: (504) 368-0568

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	Requested Analysis: Full TCLP	TPH-D&O	PCB's	Pesticides	Herbicides	RCRA Metals			
SD-3507ACE-ORL-Waste	2/26/09	12:10	X		S	A	X		2	X								
SD-3507ACE-LON-Waste	2/26/09	13:20	X		S	A	X		1	X								
SD-3507ACE-17st-Waste	2/26/09	10:45	X		S	A	X		1	X								
SD-3507ACE-ORL-B2	2/26/09	11:55		X	S	G	4,8		2			X	X	X	X			
SD-3507ACE-ORL-B1	2/26/09	11:30		X	S	G	4,8		6			X	X	X	X			
SD-3507ACE-LON-B2	2/26/09	13:10		X	S	G	4,8		2			X	X	X	X			
SD-3507ACE-LON-B1	2/26/09	12:55		X	S	G	4,8		2			X	X	X	X			
SD-3507ACE-17st-B2	2/26/09	10:30		X	S	G	4,8		2			X	X	X	X			
SD-3507ACE-17st-B1	2/26/09	10:00		X	S	G	4,8		2			X	X	X	X			
SD-3507ACE-17st-B1a	2/26/09	10:00		X	S	G	4,8		2			X	X	X	X			

4 RUSH

Client/Consultant Remarks: Expedited 3 days / 5 days for TCLP herbicides

Laboratory remarks: (3W) BM-10 (12) BW-17 (12)

Intact? Y N
Ice? Y N
Temp: 4.3 (A.16)

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: Will Arnold	2/26/09	17:00	2. Received by: Fed ex	
3. Relinquished by: Fed ex	2/27/09	900	4. Received by: Erica Deans	
5. Relinquished by: Erica Deans	2/27/09	1000	6. Received by Laboratory: Jamell L.	

☐ 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

Sample Receipt Checklist

And

Chain of Custody

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

Sample Receipt Checklist

Workorder:	**09021066**	Received By:	**EMB**
Date and Time Received:	**2/27/2009 10:00:00 AM**	Carrier name:	**FedEx-Std 1 Day PM**
Temperature:	**4.3/5°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: DID NOT RECEIVE SOIL JAR FOR 17ST-B1

Client Instructions:

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

Sample Receipt Checklist

Workorder:	09021066	Received By:	EMB
Date and Time Received:	2/27/2009 10:00:00 AM	Carrier name:	FedEx-Std 1 Day PM
Temperature:	4.3/5°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: DID NOT RECEIVE SOIL JAR FOR 17ST-B1

Client Instructions: _____

FedEx® US Airbill
Express

FedEx Tracking Number 8687 0366 5375

0216

Recipient's Copy

RECIPIENT: PEEL HERE

fedex.com 1.800.GoFedEx 1.800.463.3339

1 From This portion can be removed for Recipient's records.

Date 2/26/09 FedEx Tracking Number 868703665375

Sender's Name W. Thompson Phone 504 368-0568

Company MMG

Address 3520 General De Gaulle 3010 (Dept./Floor/Suite/Room)

City N.O. State LA ZIP 70114

2 Your Internal Billing Reference 3507 ACE

3 To

Recipient's Name Phone

Company SOUTHERN PETROLEUM LAB

Recipient's Address 500 AMBASSADOR CAFFERY PKWY

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

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

City SCOTT State LA ZIP 70583-5300

0394111025

8687 0366 5375

4a Express Package Service *Packages up to 150 lbs.*

- [ ] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [X] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate. * To most locations.

4b Express Freight Service *Packages over 150 lbs.*

- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation: ** To most locations.

5 Packaging

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

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] 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
- [ ] Cash/Check

Obtain Recip. Acct. No. [ ]

0705

Total Packages 1 Total Weight 60 Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.

- [X] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. *Fee applies.*

519

fedex.com 1.800.GoFedEx 1.800.463.3339

SPL, Inc.
500 Ambassador Caffery Parkway

Scott, LA 70583-8544
(337) 237-4775

CHAIN-OF-CUSTODY RECORD

Company: MATERIALS MANAGEMENT GROUP, INC.
Project Manager: Jackson, Amy K.
Project Name: 3507 ACE LIMITED PIIESA-PERMANENT PUMP
QCLevel: L2-RUSH
Requested State: Louisiana

2/27

27-Feb-09

Subcontractor:

SPL - Houston
8880 Interchange Dr

Houston, Texas 77054

TEL: (713) 660-0901
FAX: (713) 660-8975

Acct #: INTERCOMPANY

					Requested Tests						
Sample ID	Client Sample	Matrix	Collection Date	Due Date	SW3550B	SW8151A					
09021066-14A	SD-3507ACE-ORL-B2	Soil	02/26/09 11:55	03/03/09		1					
09021066-14A	SD-3507ACE-ORL-B2	Soil	02/26/09 11:55	03/01/09	1						
09021066-15A	SD-3507ACE-ORL-B1	Soil	02/26/09 11:30	03/03/09		1					
09021066-15A	SD-3507ACE-ORL-B1	Soil	02/26/09 11:30	03/01/09	1						
09021066-16A	SD-3507ACE-LON-B2	Soil	02/26/09 13:10	03/03/09		1					
09021066-16A	SD-3507ACE-LON-B2	Soil	02/26/09 13:10	03/01/09	1						
09021066-17A	SD-3507ACE-LON-B1	Soil	02/26/09 12:55	03/03/09		1					
09021066-17A	SD-3507ACE-LON-B1	Soil	02/26/09 12:55	03/01/09	1						
09021066-18A	SD-3507ACE-17ST-B2	Soil	02/26/09 10:30	03/03/09		1					
09021066-18A	SD-3507ACE-17ST-B2	Soil	02/26/09 10:30	03/01/09	1						
09021066-19A	SD-3507ACE-17ST-B1	Soil	02/26/09 10:00	03/03/09		1					
09021066-19A	SD-3507ACE-17ST-B1	Soil	02/26/09 10:00	03/01/09	1						
09021066-20A	SD-3507ACE-17ST-B1A	Soil	02/26/09 10:00	03/03/09		1					
09021066-20A	SD-3507ACE-17ST-B1A	Soil	02/26/09 10:00	03/01/09	1						

Comments: 8151 HERBICIDES - RUSH

RUSH

	Date/Time		Date/Time
Relinquished by: Jmallet	2/27/09 1200	Received by:	
Relinquished by:		Received by:	

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No. 0902a1066 — 201604 — page ____ of ____

Client Name: MMG

Address: 3520 General DeGaulle, N.O. LA

Phone/Fax: (504) 368-0568 (504) 368-8403

Client Contact: Karly Gibbs Email: Karlygibbs@MMGnola.com

Project Name/No.: Limited P/IESA-Permanent Pump, 3507ACE

Site Name: 17th St, Orleans, London Ave Canals

Site Location: New Orleans LA

Invoice To: Mimi Lo Ph: (504) 368-0568

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	Requested Analysis: Full TCLP	TPH-D&O	PCB's	Pesticides	Herbicides	RCRA Metals				
SD-3507ACE-ORL-Waste	2/26/09	12:10	X		S	A	X		2	X									2
SD-3507ACE-LON-Waste	2/26/09	13:20	X		S	A	X		1	X									1
SD-3507ACE-17st-Waste	2/26/09	10:45	X		S	A	X		1	X									1
SD-3507ACE-ORL-B2	2/26/09	11:55		X	S	G	4,8		2			X	X	X	X				2
SD-3507ACE-ORL-B1	2/26/09	11:30		X	S	G	4,8		6			X	X	X	X				7
SD-3507ACE-LON-B2	2/26/09	13:10		X	S	G	4,8		2			X	X	X	X				2
SD-3507ACE-LON-B1	2/26/09	12:55		X	S	G	4,8		2			X	X	X	X				2
SD-3507ACE-17st-B2	2/26/09	10:30		X	S	G	4,8		2			X	X	X	X				2
SD-3507ACE-17st-B1	2/26/09	10:00		X	S	G	4,8		2			X	X	X	X				3
SD-3507ACE-17st-B1a	2/26/09	10:00		X	S	G	4,8		2			X	X	X	X				2

4 RUSH

Client/Consultant Remarks: Expedited 3 days / 5 days for TCLP herbicides

Laboratory remarks: (3W) BM-10 (12) BW-17 (12)

Intact? Y N

Ice? Y N

Temp: 4.3 (A.16)

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		date	time
1. Relinquished by Sampler: Will Arnett	2/26/09	17:00	2. Received by: fed ex		
3. Relinquished by: fed ex	2/27/09	900	4. Received by: Erin Breaux		
5. Relinquished by: Erin Breaux	2/27/09	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. 09021066 | 281603 | page 1 of 2

Client Name: M MG
Address: 3520 General DeGaulle, N.O. LA
Phone/Fax: (504) 368-0568 (504) 368-8403
Client Contact: Karly Gibbs Email: karlygibbs@mmgnola.com
Project Name/No.: Limited PIIESA - Permanent Pump, 3507ACE
Site Name: 17th St, Orleans, London Ave Canals
Site Location: New Orleans LA
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

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	TPH-G	VOC's	TPH-D, &O	SVOC's	PCB's	Pesticides	Herbicides	RCRA Metals	
W-3507ACE-FB-2-26	2/26/09	13:50		X	W	V	40	1	3	X	X							3
W-3507ACE-TB-2-26	2/26/09	13:55			W	V	40	1	4	X	X							4
W-3507ACE-RB-LON-B2-2-26	2/26/09	12:20		X	W	V,A,P	40,X,1,X	1,2	10	X	X	X	X	X	X	X	X	10
~~SD-3507ACE-ORL-B2~~	~~2/26/09~~	~~11:55~~		~~X~~	~~S~~	~~X,G~~	~~X,8~~		~~X4~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
SD-3507ACE-ORL-B2	2/26/09	11:15		X	S	X,G	X,8		5	X	X	X	X					5
SD-3507ACE-ORL-B1	2/26/09	11:30		X	S	X,G	X,8		15	X	X	X	X					14
SD-3507ACE-LON-B2	2/26/09	13:10		X	S	X,G	X,8		5	X	X	X	X					5
SD-3507ACE-LON-B1	2/26/09	12:55		X	S	X,G	X,8		5	X	X	X	X		RUSH			5
SD-3507ACE-17st-B2	2/26/09	10:30		X	S	X,G	X,8		5	X	X	X	X					5
X SD-3507ACE-17st-B1	2/26/09	10:00		X	S	X,G	X,8		5	X	X	X	X					4

Client/Consultant Remarks: Expedited 3 days / 5 days for TCLP Herbicides

Laboratory remarks: 35-38 (751) Sred 25 (11) (Encore) WL 009 (12) C/S OC (1) (3W) RMA 4-(9)

Intact? ☑ Y ☐ N
Ice? ☑ Y ☐ N
Temp: 5.0 (15)

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 2/26/09	time	2. Received by: FedEx
3. Relinquished by: FedEx	date 2/27/09	time 0900	4. Received by: Erica Breaux
5. Relinquished by: Erica Breaux (Lab)	date 2/27/09	time 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. 281605

page 2 of 2

Client Name:	M M G
Address:	3520 General De Gaulle Dr., NO. LA
Phone/Fax:	(504) 368-0568 (504) 368-8403
Client Contact:	Karly Gibbs Email: Karlygibbs@mmgnol.com
Project Name/No.:	Limited PHESA-Permanent Pump, 3507ACE
Site Name:	17st, Orleans, London Ave. Canals
Site Location:	New Orleans LA
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=HC1 2=HNO3 3=H2SO4 X=other

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	Requested Analysis: TPH-G	VOC's	TPH-D&O	SVOC's					
SD-3507ACE-17St-Bla	2/26/09	10:00		X	S	X, G	X, 8		5	X	X	X	X					

Client/Consultant Remarks: Expedited 3days / 5days for TCLP Herbicides

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:	date 2/26/09	time	2. Received by: FedEx
3. Relinquished by: FedEx	date 2/27/09	time 0900	4. Received by: Erica Breaux
5. Relinquished by: Erica Breaux (Lab)	date 2/27/09	time 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

Appendix C: Field Logs

Sampling and Analysis Plan **February 20, 2009**
Limited PIIESA – Permanent Pumping Stations, Orleans Parish 3507-ACE

Table 1: Sample Table

Sample Name	Date	Required Analysis (Method)	Containers*	Holding Time/Preservation*	Comments
SD-3507ACE-17ST-B1 10:00AM	2/26/09	TPH-G, VOCs ✓ TPH-D&O, SVOCs, PCBs, pests, herbs ✓ RCRA metals	4 Encores (3 VOCs, 1 TPH-G) 2 X 8 oz jar 1 X 4 oz jar	48 hrs/Cool to 4ºC 14 d/Cool to 4ºC 180 d (Hg 45 d)/Cool to 4ºC	
SD-3507ACE-17ST-B1a 10:00	2/26	TPH-G, VOCs TPH-D&O, SVOCs, PCBs, pests, herbs RCRA metals	~~12~~ Encores (3 VOCs, 1 TPH-G) ~~6~~ X 8 oz jar ~~3~~ X 4 oz jar	48 hrs/Cool to 4ºC 14 d/Cool to 4ºC 180 d (Hg 45 d)/Cool to 4ºC	Split
SD-3507ACE-17ST-B2 10:30	2/26	TPH-G, VOCs TPH-D&O, SVOCs, PCBs, pests, herbs RCRA metals	4 Encores (3 VOCs, 1 TPH-G) 2 X 8 oz jar 1 X 4 oz jar	48 hrs/Cool to 4ºC 14 d/Cool to 4ºC 180 d (Hg 45 d)/Cool to 4ºC	
SD-3507ACE-LON-B1 12:55	2/26	TPH-G, VOCs TPH-D&O, SVOCs, PCBs, pests, herbs RCRA metals	4 Encores (3 VOCs, 1 TPH-G) 2 X 8 oz jar 1 X 4 oz jar	48 hrs/Cool to 4ºC 14 d/Cool to 4ºC 180 d (Hg 45 d)/Cool to 4ºC	
SD-3507ACE-LON-B2 13:10	2/26	TPH-G, VOCs TPH-D&O, SVOCs, PCBs, pests, herbs RCRA metals	4 Encores (3 VOCs, 1 TPH-G) 2 X 8 oz jar 1 X 4 oz jar	48 hrs/Cool to 4ºC 14 d/Cool to 4ºC 180 d (Hg 45 d)/Cool to 4ºC	
SD-3507ACE-ORL-B1 11:30	2/26	TPH-G, VOCs TPH-D&O, SVOCs, PCBs, pests, herbs RCRA metals	4 Encores (3 VOCs, 1 TPH-G) 2 X 8 oz jar 1 X 4 oz jar	48 hrs/Cool to 4ºC 14 d/Cool to 4ºC 180 d (Hg 45 d)/Cool to 4ºC	MS/MSD
SD-3507ACE-ORL-B2 11:55	2/26	TPH-G, VOCs TPH-D&O, SVOCs, PCBs, pests, herbs RCRA metals	4 Encores (3 VOCs, 1 TPH-G) 2 X 8 oz jar 1 X 4 oz jar	48 hrs/Cool to 4ºC 14 d/Cool to 4ºC 180 d (Hg 45 d)/Cool to 4ºC	
W-3507ACE-RB-LON-B2-date 12:20 ~~12:21~~	2/26	TPH-G, VOCs TPH-D&O SVOCs PCBs, Pesticides Herbicides RCRA metals	4 X 40 ml vials 3 X 60 ml vials 1 X 1 L amber 1 X 1 L amber 1 X 1 L amber 1 X 500 ml plastic	14 days/HCl & Cool to 4ºC 7 days/Cool to 4ºC 7 days/Cool to 4ºC 7 days/Cool to 4ºC 7 days/Cool to 4ºC 180 days/HNO_3 & Cool to 4ºC	
SD-3507ACE-17ST-Waste 10:45	2/26	Full TCLP ✓	1 X 1 L widemouth	Organics – 14 d, Inorganics – 180 d (Hg 28 d)*	
SD-3507ACE-LON-Waste 13:20	2/26	Full TCLP	1 X 1 L widemouth	Organics – 14 d, Inorganics – 180 d (Hg 28 d)*	
SD-3507ACE-ORL-Waste 12:10	2/26	Full TCLP 2 x 500ml	~~1 X 1 L~~ widemouth	Organics – 14 d, Inorganics – 180 d (Hg 28 d)*	
W-3507ACE -TB-date 2-26 13:55	2/26	TPH-G, VOCs	4 X 40 ml vials	14 d/ HCl & Cool to 4ºC	
W-3507ACE -FB-date 2-26 13:50	2/26	TPH-G, VOCs	~~3~~ X 40 ml vials	14 d/ HCl & Cool to 4ºC	

*Holding time to extraction

56
21
77

87

42
21
63

73
11
84

62
22
84

DATE 2-26-08

DAY | S | M | T | W | TH | F | S |

A-E DAILY QUALITY CONTROL REPORT

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	3507 ACE	

COE PROJECT MANAGER Haekyung Kim
PROJECT Permanent Pumping Stations PIIESA

JOB NO. 3507-ACE
CONTRACT NO W912P8-08-D-0029, Task Order 7

SUB-CONTRACTOR ON SITE

Walker Hill Environmental Drill Team

EQUIPMENT ON SITE

MMG (Titan, Toyota, Boat, Mini Rae, Q Rae) (Pontoon Boat Rig) WH.

WORK PERFORMED (INCLUDING SAMPLING):

Sample six Boreholes 40 6 feet each

SHEET ___ OF ___

(Continuation Sheet)

PROJECT Limited P/I @ Permanent Pump Stations, NO 2A REPORT NO. 3507 ACE

JOB NO 3507ACE DATE 2-26-08

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS)

Mini Rae 2

QRae 2000

HEALTH AND SAFETY LEVELS AND ACTIVITIES

Level D with Life vest

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

SPECIAL NOTES

TOMORROW'S EXPECTATIONS:

SHEET 2 OF 2

BY W. Thompson TITLE Geologist

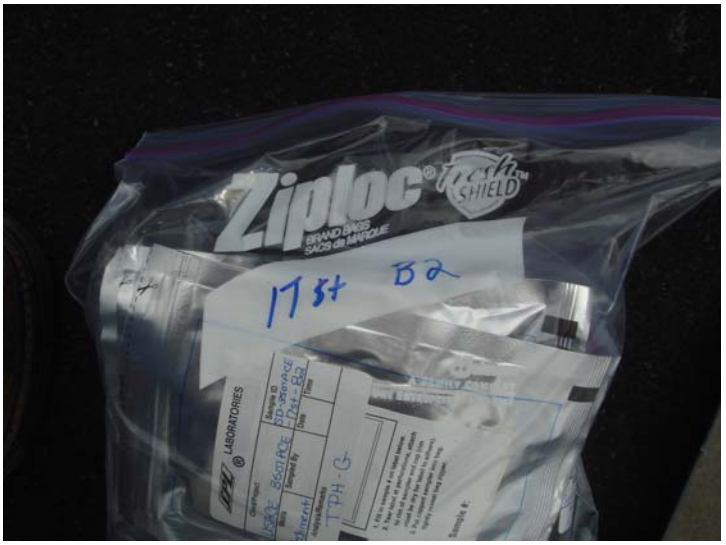
Appendix D: Photographs

PHOTOGRAPHS

Photograph #1
17th Street Canal
Camera facing south

Photograph # 2
Sample Collection at 17th St.
Camera facing east

Photograph #3
Core removal at 17th St.
Camera facing east



Photograph # 4
B2 Sample bag at 17th St.
Camera facing west

Photograph #5
Sample collection at Orleans Canal B1
Camera facing south

Photograph #6
Sampling at Orleans Canal B2

Photograph #7
Sediment material from London Canal B1

Photograph # 8
Sediment collection at London Canal B2
Camera facing west

Appendix E: Final Safety Report

Tailgate Safety Meeting

Date: 2-26-09 Time: 8:30 File #: 3507 ACE

Site Location: 47th, Orleans, & London Canal Outfalls, New Orleans, LA

Type of Work: Sediment Sampling

Site Manager: Wendell Thompson Site Phone: 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: _____

☐ 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: LSU Medical Center Phone: 911

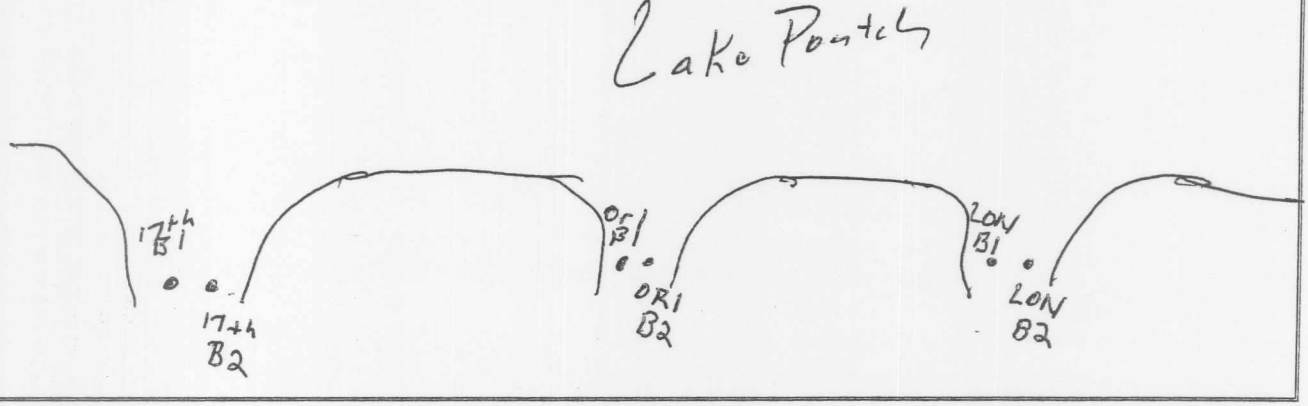
Address: Perdido

Attendees Signature required on other side of this form

* Permit Required

Meeting Conducted By: Wendell Thompson

Plan of the Day:



Printed Name	Signature
Wendell Thompson Jr.	
Randy Pumilia	
James Thornhill	
Joshua C King	
Luke Daughdrill	

EMERGENCY TELEPHONE NUMBERS:

Job #: 3507ACE
Location: N.O. LA

Date: 2/26/09
Supervisor's Initials: ust.

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: 3507-ACE DATE: 2-26-09

CUSTOMER: USACE TIME FROM: 8:00 TO: _____

JOB LOCATION: Permanent Pumping Stations, Orleans Parish, Louisiana

SUPERVISOR: Wendell Thompson FOREMAN/LEADMAN: _____

GENERAL JOB DESCRIPTION: Limited Phase II Environmental Site Assessment

EMPLOYEES:

Wendell J Thompson	MMG Geologist
Randy Parrish	MMG Sample Tech

SAFETY CONDITIONS: _____

WEATHER: P. Cloudy, Windy 15mph SW, Humid

MONITORING & SAMPLING (attach results)

INSTRUMENTATION USED: QRae 2000 Mini Rae

LEVEL OF PROTECTION (special conditions)
Level D with Life Vest

PROBLEMS/UNUSUAL SITUATIONS

CORRESPONDENCE

SIGNATURE: _____
(Project Supervisor/Foreman/Leadman)

SIGNATURE: _____
(HSO Dept.)