November 2009

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
LIMITED PIIESA
PROPOSED SEABROOK GATE LOCATION
NEW ORLEANS, 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 #014

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 November 3, 2009	TRANSMITTAL NO. TO 014-008

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

TO:	FROM:	CONTRACT NO.	CHECK ONE:
U.S. Army Corps of Engineers New Orleans District P.O. Box 60267 New Orleans, LA 70160	SPA-MMG Joint Venture, LLC. New Orleans, LA	W912P8-08-D-0029	(THIS IS A NEW TRANSMITTAL 9 THIS IS A RESUBMITTAL OF TRANSMITTAL _____

SPECIFICATION SECTION; (Cover only one section with each transmittal)	PROJECT TITLE AND LOCATION
	Task Order 014 – Limited PIIESA, Proposed Seabrook Gate Location, New Orleans, Louisiana

ITEM NO. a.	DESCRIPTION OF ITEM *(Type, size, model number, etc.)* b.	MFG. OR CONTR. CAT. CURVE DRAWING OR BROCHURE NO. *(See instruction no. 8)* c.	NO. OF COPIES d.	CONTRACT REFERENCE DOCUMENT SPEC. PARA. NO. e.	DRAWING SHEET NO. f.	FOR CONTRACTOR USE CODE g.	VARIATION *(See instruction no. 6)* h.	FOR CE USE CODE I
1	Task Order No. 14 Final PIIESA Report		3 + 3 cds			3514-DD-ACE-NOL-014		

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 November 3, 2009

Comments on:
SPA-MMG
Work Plan Submittals for
CTO Number: w912P8-08-D-0029
Task Order #0014

Phase II Environmental Site Assessment
Proposed Seabrook Gate Location
Orleans Parish, LA

Reviewer: Haekyung Kim, John Templeton
Respondent:

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	5.2		Please add comparison to RECAP (below or above) to the sediment section (currently just says "very low"). Also please add which specific RECAP standard it levels are being compared to (SSni or SSgw). Possibly add a short paragraph somewhere in the report about all the different RECAP standards and why only certain ones were chosen for comparison	C	Added clarification to the soil and sediment paragraphs of Section 5.2 for concentrations that were below RECAP or exceeded the screening standards. The limiting screening standards (SSni vs SSgw) are identified on Tables 1 and 2. The rationale for choosing the limiting screening standards has been added to the Recommendations in the Exec Summary and Section 6.0, as well as Section 5.2.	
2. Templeton	6.0	Paragraph before the table	First sentence confusing grammar. Just adding "however" after the semi colon would solve this. (this is also in the exec summary)	C	Added "however" as suggested.	
3. Templeton	6.0		Can something be added about handling the site if there is to be NO excavation (even if nothing is needed further than PPE)? Does there need to be mention of TCLP results when talking about disposal of excavation? Does something need to be added to discuss further sampling to map contamination of area if excavation were to occur?	C	As discussed in the conference call on October 26, 2009, additional discussion has been added to the recommendations paragraphs regarding leaving the soil in place (no excavation) and the need for capping or placement of a structure to prevent exposure. TCLP results have been added and mentioned in association with the potential for disposal of the material. Sampling associated with excavation would be addressed and mapped in a Corrective Action Plan if excavation is planned.	
4. Templeton	Photos		No photos past B6?	C	Photos of east sampling areas have been added.	
5. Kim	5.2		Please incorporate TCLP results in final report	C	TCLP results have been added.	

DRAFT

Phase II Environmental Site Assessment Report

for

Proposed Seabrook Gate Location
New Orleans, LA

Approval Page

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Executive Summary

Background

This report addresses the findings of the limited Phase II Environmental Site Assessment (PIIESA) conducted at the proposed location for the Seabrook gate in New Orleans, Louisiana. The USACE intends to build gate structures on the Inner Harbor Navigation Canal (IHNC) as well as floodwalls and levees on the east and west sides of the IHNC for flood risk reduction. These structures will be constructed south of the Seabrook Bridge and Bascule Railroad Bridge. The limited PIIESA was conducted to evaluate soils and sediments from the proposed sector gate location; the data have been evaluated for on-land management during construction. Strategic Planning Associates – Materials Management Group Joint Venture, LLC. (SPA-MMG) conducted the limited PIIESA of the area under USACE IQRC Contract W912P8-08-D-0029, Task Order 14. 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, 2, and 3, and the analytical reports are included in Appendix B. Briefly, the results indicated that a few of the COCs were detected in the soil samples, and a number of the COCs were detected in the sediment samples. The TCLP results indicate the soil and sediment are non-hazardous.

In soil, the detected COCs included TPH-D and TPH-O at B1, B10, and B11, several PAHs at B12 (anthracene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene), and metals (antimony (B10), arsenic (B2, B10, and B11), barium (all locations), beryllium (B1, B2, B10, B11, and B12), chromium (all locations), cobalt (all locations), copper (all locations), lead (all locations), mercury (B1, B10, and B11), nickel (all locations), vanadium (all locations), and zinc (all locations)). TPH-G, VOCs, pesticides, herbicides, and PCBs were not detected in the soil samples.

In sediment, the detected COCs included TPH-D and TPH-O at B6 and B8, a few PAHs (benzo(a)pyrene (B8), benzo(b)fluoranthene (B8), chrysene (B8), fluoranthene (B6 and B8), and pyrene (B6 and B8)), bis(2-ethylhexyl)phthalate (B8), DDT (B8 and B9), alpha- BHC (B4), beta-BHC (B4), gamma-BHC (Lindane) (B4), PCBs (Aroclor-1254) (B8), 2,4-DB (B8), and metals (antimony (B7 and B8), arsenic (B6, B7, B8, and B9), barium (all locations), cadmium (B7 and B8), chromium (all locations), cobalt (all locations), copper (all locations), lead (all locations), mercury (B6, B8, and B9), nickel (all locations), silver (B8), vanadium, B6, B7, B8, and B9), and zinc (all locations)). TPH-G and VOCs were not detected in the sediment samples.

Seven of the COCs with detected concentrations in the soil exceeded the RECAP screening standards; these were TPH-D and TPH-O (at B11), PAHs at

B12 (benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene), arsenic (at B10), and barium (at B2 and B10). Five of the COCs with detected concentrations in the sediment exceeded the RECAP screening standards; these were alpha-BHC (at B4), Aroclor-1254 (at B8), antimony (at B8), barium (at B7, B8, and B9), and lead (at B8). 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 several of the samples were diluted to adjust for matrix interference associated with VOCs, SVOCs, pesticides, PCBs, and metals; as a result the reporting limits for some SVOCs, pesticides, PCBs, and thallium exceeded the limiting RECAP screening standards.

Recommendations

Contaminants have been detected at concentrations above the most conservative limiting screening standards (SSni and/or SSgw) in surface soil and sediment in the area. These RECAP screening standards were considered based on the potential for re-use of the soil and sediment and the requirement to meet re-use criteria under RECAP. TPH contaminants may be present associated with historical surface spills (a boat launch is located in the investigation area). PAH contaminants may be present in association with TPH as well as from creosote-treated railroad ties (there have been railroad tracks in the area historically). Metals are present in background concentrations as well as in association with industrial activity (antimony and lead may be present from the lead industry in the area). Barium could be attributed to use in historical oil drilling in the area. In addition, soil sampling conducted by the EPA following Hurricane Katrina revealed surface contamination from TPHs, pesticides, and metals in this area (resulting from flood waters). The COCs in the canal sediment could be from sources up and down the IHNC as there is industrial activity throughout that area and contaminants in the sediment move with water movement to and from Lake Pontchartrain.

The elevated concentrations exceed either the SSni or SSgw; however all of the concentrations are below the industrial standard for all COCs except arsenic and PAHs (see the following table). Therefore, the issue becomes re-use of the material rather than potential exposure during construction activities (in which case industrial exposure standards are appropriate). In the case of arsenic and PAHs, the locations of elevated concentrations (B10 and B12) would require appropriate PPE and precautions for exposure to construction workers during the construction phase (as well as appropriate disposal rather than re-use if excavated or dredged).

COC	RECAP SSi (mg/kg)	Highest Concentration (mg/kg)
TPH-D	510	450 (B11)
TPH-O	2500	250 (B11)
Benz(a)anthracene	**2.9**	**3.6 (B12)**
Benzo(a)pyrene	**0.33**	**4.8 (B12)**
Benzo(b)fluoranthene	**2.9**	**7.1 (B12)**
Dibenz(a,h)anthracene	**0.33**	**0.96 (B12)**
Indeno(1,2,3-cd)pyrene	**2.9**	**3.4 (B12)**
alpha-BHC	0.44	0.007 (B4)
PCBs (Aroclor-1254)	0.9	0.2 (B8)
Antimony	82	4.22 (B8)
Arsenic	**12**	**43.1 (B10)**
Barium	14000	5420 (B8)
Lead	1400	463 (B8)

Bold text - COCs and concentrations that exceed the industrial standard.

Re-use of the dredge material and/or soil is therefore limited due to potential exposure as well as impact to underlying groundwater. Re-use onsite is acceptable for all locations except B10 and B12, since concentrations in the majority of locations (B1-B9 and B11) are below the industrial standard. Re-use onsite would be acceptable under RECAP re-use criteria for those areas.

The soil at B10 and B12 contains concentrations of arsenic (B10) and PAHs (B12) that exceed the industrial screening standards. If excavation is necessary in these areas, management by disposal at a permitted facility or placement in an area with limited or no potential for exposure (an area such as the confined disposal facility near the MRGO) would be required. The soil in these areas is characterized as non-hazardous (by TCLP) for disposal purposes. Confirmatory sampling as specified under a Corrective Action Plan would be necessary in conjunction with the excavation prior to backfilling. If excavation is not necessary at B10 and B12, leaving the soil in place and capping or covering the areas with a permanent structure to prevent exposure is an option. The elevated concentrations in these locations do not exceed the RECAP screening standards protective of groundwater, so direct exposure to soil is the only issue.

1.0 Introduction

Under Indefinite Quantity Requirements Contract (IQRC) W912P8-08-D-0029 Task Order 14, 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 the proposed location for the Seabrook gate in New Orleans, Louisiana. The proposed gate structures will be constructed on the Inner Harbor Navigation Canal (IHNC) as well as floodwalls and levees on the east and west sides of the IHNC for flood risk reduction. These structures will be constructed south of the Seabrook Bridge and Bascule Railroad Bridge. Previous data suggested the potential for contamination from lead and barium in the area. Investigation is necessary to evaluate soils and sediments from the proposed sector gate location; the data have been evaluated for on-land management during construction. The USACE granted Notice to Proceed with the limited PIIESA on September 16, 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 evaluate soils and sediments from the proposed sector gate location; the data were evaluated for on-land management during construction. The scope of work included surface soil and sediment sampling and analysis from 12 locations in the proposed construction area (three soil borings on each bank of the IHNC for six total soil boreholes, and three sediment borings on each side of the IHNC canal bottom for six total sediment boreholes).

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.

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

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

1.3 Limitations and Exceptions of Assessment

The sediment boreholes on the west side of the canal (B4-B6) were extremely difficult to advance due to the presence of shells and concrete obstructions. These boreholes were advanced to sediment depths greater than 30 feet in an effort to collect sediment, and still only shells were recovered. As a result, B5 was abandoned completely after five attempts, B4 was relocated approximately 30 feet north of the proposed location (see Figure 2 and Table 3), and sample material representing B6 was collected from material accumulated on the footing of the jack-up barge rather than from the drill rig sample liner.

1.4 Limiting Conditions and Methodology Used

Under the requirements of Task Order 14, 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 evaluate soils and sediments from the proposed sector gate location; the data was evaluated for on-land management during construction.

Although barium and lead were the only contaminants previously identified in the area, the concern associated with this area was related to general industrial activity, therefore 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 RECAP metals. In addition, one composite sample

from each soil or sediment investigation area (for four total samples) was collected and placed on hold for toxicity characteristic leaching procedure (TCLP) for potential waste characterization purposes (if deemed necessary as a management option). The hold on TCLP analysis was released on October 21, 2009 (and the samples were analyzed).

2.0 Background

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

2.1 Site Description and Features

The area under investigation is the Inner Harbor Navigation Canal (IHNC) near the intersection with Lake Pontchartrain. The area around the canal is well developed with primarily industrial properties. In addition, the University of New Orleans and Southern University of New Orleans are located to the west of the canal and the New Orleans Lakefront Airport is located to the east of the canal. See Figure 1 for a site location map.

2.2 Physical Setting

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

Geography
The site is located within the 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 site is located at the mouth of Lake Pontchartrain in the Industrial Canal.

Physical Setting
The Soil Survey of Orleans Parish LA provided by the U.S. Department of Agriculture Soil Conservation Service (1984) describes these soils as (Cm) COMMERCE Silt Loam Series.

> Cm: The Commerce series are somewhat poorly drained, moderately permeable, firm, mineral soils that formed in loamy alluvium. Slope is less than 1 percent. Commerce Series soils are fine-silty, mixed, nonacid, thermic Aeric Fluvaquents.

Cm series deposits typically consist of gray and brown silty clay and some fine sand with organic inclusions that are consistent with past and present courses of the Mississippi River and associated tributaries.

2.3 Site History and Land Use

The subject area is the northern end of the IHNC. The IHNC facilitates navigation as well as water flow to and from Lake Pontchartrain, on to the Intracoastal Waterway and ultimately to the Mississippi River.

3.0 Phase II Activities

SPA-MMG conducted the limited Phase II ESA on October 5 and 6, 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 surface soil and sediment sampling from 12 total borehole locations (three soil borings on each bank of the IHNC for six total soil boreholes, and three sediment borings on each side of the IHNC bottom for six total sediment borehole) 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 RECAP metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc). In addition, one composite sample from each investigation area (each side of canal, soil or sediment boreholes - for four total samples) was collected and 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 Site Safety and Health Plan (SSHP). These plans documented the tasks to be completed, quality management, 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 evaluate soils and sediments from the proposed sector gate location; the data was then evaluated for on-land management during construction. The USACE Task Order specified the number of boreholes as well as the locations. The borehole locations were chosen to

represent the specific construction areas of the proposed Seabrook sector gate; see Figure 2 for the actual locations. Therefore, three surface soil samples were collected from each bank of the IHNC (for six total soil samples); these consisted of the 0-3 foot interval below ground surface (bgs). In addition, three samples were collected from the sediment to a depth of three feet below the surface of the sediment on each side of the IHNC (for six total samples from the canal bottom). The sediment samples depths were actually deeper than 0-3 ft in some areas due to the shell obstructions; in these areas the sample was collected from the interval first encountered that contained all sediment and no shell obstructions. 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 RECAP metals. Composite samples for TCLP analysis were collected for analysis at the laboratory in the event that disposal was necessary as a management option during construction activities.

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. As described in Section 1.3, due to shell obstructions, borehole B4 was relocated approximately 30 feet north of the proposed location, borehole B5 was abandoned after five attempts, and the sample from borehole B6 was collected from the barge footing rather than the drill rig.

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 soil and sediment sampling from 12 boreholes in the proposed Seabrook gate location: three soil borings on each IHNC bank (for six soil boreholes) and three sediment borings on each side of the canal bottom (for six sediment boreholes). The sampling efforts were conducted on October 5-6, 2009. SPA-MMG used the direct push technology of Geoprobe drill rig on the canal banks for the 0-3 ft soil borings, and a Geoprobe drill rig mounted on a jack-up barge in the canal for the sediment borings.

The borehole locations (indicated on Figure 2) were chosen based on the specific location of the proposed sector gate in the area. Lithology is described in Section 4.1. One interval (0-3 feet) was collected from each soil and sediment boring for analysis. In addition, soil or sediment (as appropriate) from each of the groups of three borings (canal bank or bottom, east or west side) was composited for potential TCLP analysis (Composite 1 consisted of B1-B3, Composite 2 consisted of B4-B6, Composite 3 consisted of B7-B9, and Composite 4 consisted of B10-B12); the four total composite samples were prepared and sent on hold for the waste characterization analysis (pending the

other analytical results). The four composites were analyzed by TCLP on October 21, 2009.

One split sample was collected; this was at sediment borehole B8. Matrix spike/matrix spike duplicate (MS/MSD) analysis was requested on the sample from soil borehole B1. One rinsate blank was collected following collection of the sample from borehole B8. Field blanks were collected while sampling was conducted. Trip blanks were included in the coolers containing the volatile samples. The samples from the 12 borings were analyzed for TPH-G, TPH-D, TPH-O, VOCs, SVOCs, PCBs, pesticides, herbicides, and RECAP metals. In addition, the four composite samples 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, 2, and 3, and are discussed briefly in Section 4.0. The final analytical reports are included in Appendix B.

3.3 Sampling and Chemical Analyses and Methods

The SAP 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 soil and sediment samples were:

- TPH-G – 5035, 8015
- TPH-D and TPH-O – 8015
- VOCs – 5035, 8260
- SVOCs – 8270
- PCBs – 8082
- Pesticides – 8081
- Herbicides – 8151
- RECAP 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 reports are included as Appendix B.

4.1 Subsurface Conditions

The following sections describe the lithology as observed from sample inspection at the 12 borehole locations.

4.1.1 Geologic Setting

The Seabrook site has geology consistent with the deposition of near surface sedimentary deposits associated with fluvial depositional processes (Mississippi River Alluvium). These deposits typically consist of gray and brown silty clay and

some fine sand with peat inclusions that are consistent with past and present courses of the Mississippi River and associated tributaries. Soil depth is variable from 5 to 6 feet. Underlying rock formations include Quaternary and Tertiary sedimentary deposits.

The material discovered does not represent the expected lithology for Cm series (as described in Section 2.2). The material is a clayey, coarse, well-sorted sand. It is gray to dark gray in color. Organic shell inclusions vary in size, amount and color. There was no odor or noticeable deformation.

4.1.2 Hydrogeologic Conditions

Regional groundwater movement in New Orleans, LA is to the southeast. New Orleans, LA is located within the Mississippi River alluvial valley. Groundwater movement is controlled by the Mississippi River. The hydrogeologic regime underlying the sites consists of a near-surface Gonzales – New Orleans alluvial aquifer. 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 does not recharge major Louisiana freshwater aquifers.

4.1.2 Verification of Sampling and Quality Objectives

The sampling objectives included collection of surface soil and sediment samples. The sampling objectives were met with the exception that sediment could not be collected in one proposed location (borehole B5). However, boreholes B4 and B6 provided analytical data for this area of the canal bottom. 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 met without exception.

4.2 Analytical Data

The analytical results from the soil and sediment sampling under the limited Phase II ESA are summarized in Tables 1 and 2 respectively. The analytical results from the waste characterization sampling are summarized in Table 3.

The analytical results (COCs detected) from the soil and sediment sampling are briefly summarized below for each investigation area (east or west canal bank, east or west canal bottom). The actual concentrations detected at each borehole are listed on Tables 1 and 2. Overall, the results indicated that a few of the COCs were detected in the soil samples, and a number of the COCs were detected in the sediment samples. The COCs detected in soil included TPH-D and TPH-O, several PAHs (anthracene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene), and metals (antimony, arsenic, barium, beryllium, chromium, cobalt, copper, lead, mercury, nickel, vanadium, and zinc). TPH-G, VOCs, pesticides, herbicides, and PCBs were not detected in the soil samples. The COCs detected in sediment

included TPH-D and TPH-O, a few PAHs (benzo(a)pyrene, benzo(b)fluoranthene, chrysene, fluoranthene, and pyrene), bis(2-ethylhexyl)phthalate, DDT, alpha- BHC, beta-BHC, gamma-BHC (Lindane), PCBs (Aroclor-1254), 2,4-DB, and metals (antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, silver, vanadium, and zinc). TPH-G and VOCs were not detected in the sediment samples.

Soil - IHNC West Bank (B1-B3)
B1: The COCs detected at B1 were TPH-D, TPH-O, barium, beryllium, chromium, cobalt, copper, lead, mercury, nickel, vanadium, and zinc.

B2: The COCs detected at B2 were arsenic, barium, beryllium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc.

B3: The COCs detected at B3 were barium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc.

Soil - IHNC East Bank (B10-B12)
B10: The COCs detected at B10 were TPH-D, TPH-O, antimony, arsenic, barium, beryllium, chromium, cobalt, copper, lead, mercury, nickel, vanadium, and zinc.

B11: The COCs detected at B11 were TPH-D, TPH-O, arsenic, barium, beryllium, chromium, cobalt, copper, lead, mercury, nickel, vanadium, and zinc.

B12: The COCs detected at B12 were anthracene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, phenanthrene, pyrene, barium, beryllium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc.

Sediment - IHNC West Side (B4-B6)
B4: The COCs detected at B4 were alpha-BHC, beta-BHC, gamma-BHC (Lindane), barium, chromium, cobalt, copper, lead, nickel, and zinc.

B5: Abandoned/no sample.

B6: The COCs detected at B6 were TPH-D, TPH-O, fluoranthene, pyrene, arsenic, barium, chromium, cobalt, copper, lead, mercury, nickel, vanadium, and zinc.

Sediment - IHNC East Site (B7-B9)
B7: The COCs detected at B7 were antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc.

B8: The COCs detected in the primary sample at B8 were TPH-D, TPH-O, bis(2-ethylhexyl)phthalate, pyrene, 4,4'-DDT, PCBs (Aroclor-1254), 2,4-DB, antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, silver, vanadium, and zinc. The COCs detected in the split sample collected at B8 were TPH-D, TPH-O, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, fluoranthene, pyrene, 4,4'-DDT, antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, silver, vanadium, and zinc.

B9: The COCs detected at B9 were 4,4'-DDT, arsenic, barium, chromium, cobalt, copper, lead, mercury, nickel, vanadium, and zinc.

The waste characterization composite sample results indicated that the soil and sediment are classified as non-hazardous. Only barium was detected in all four of the composite samples. The detected concentrations of barium (Comp1 - 1.01 mg/l, Comp2 - 0.444 mg/l, Comp3 - 3.56 mg/l, and Comp4 - 1.37 mg/l) were all below the TCLP threshold (for hazardous waste) of 100 mg/l. In addition, lead was detected in the Comp4 sample at a concentration of 0.297 mg/l. This is below the TCLP threshold of 5.0 mg/l.

The data quality is discussed in Section 5.3.

An evaluation of the soil and sediment 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)) were chosen based on potential re-use objectives and the need to meet RECAP re-use criteria and are included on Tables 1 and 2. The TCLP thresholds for hazardous waste characterization are included on Table 3.

5.0 Discussion of Findings and Conclusions

This limited Phase II ESA was conducted in accordance with the approved work plans (SAP and SSHP) and all guidance referenced in those work plans, including ASTM guidance E 1903-97. All activities planned for this site were performed as anticipated, with the exception of sample collection at borehole B5.

5.1 Recognized Environmental Conditions

The limited Phase II ESA was conducted to evaluate soils and sediments from the proposed sector gate location; the resulting data have been evaluated for on-land management during construction. Although previous data suggested the potential for contamination from lead and barium in the area, 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 surface soil and sediment sampling and analysis from 12 locations, including six soil borings and

six sediment borings. The results of the limited Phase II ESA indicate the following. Recommendations based on the findings are included in Section 6.0.

Soil
There were a few of the contaminants of concern (COCs) detected in the soil samples. These included TPH-D and TPH-O at B1, B10, and B11, several PAHs at B12 (anthracene, benz(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, phenanthrene, and pyrene), and metals (antimony (B10), arsenic (B2, B10, and B11), barium (all locations), beryllium (B1, B2, B10, B11, and B12), chromium (all locations), cobalt (all locations), copper (all locations), lead (all locations), mercury (B1, B10, and B11), nickel (all locations), vanadium (all locations), and zinc (all locations)). TPH-G, VOCs, pesticides, herbicides, and PCBs were not detected in the soil samples.

Sediment
A number of the COCs were detected in the sediment samples. These included TPH-D and TPH-O at B6 and B8, a few PAHs (benzo(a)pyrene (B8), benzo(b)fluoranthene (B8), chrysene (B8), fluoranthene (B6 and B8), and pyrene (B6 and B8)), bis(2-ethylhexyl)phthalate (B8), DDT (B8 and B9), alpha- BHC (B4), beta-BHC (B4), gamma-BHC (Lindane) (B4), PCBs (Aroclor-1254) (B8), 2,4-DB (B8), and metals (antimony (B7 and B8), arsenic (B6, B7, B8, and B9), barium (all locations), cadmium (B7 and B8), chromium (all locations), cobalt (all locations), copper (all locations), lead (all locations), mercury (B6, B8, and B9), nickel (all locations), silver (B8), vanadium, B6, B7, B8, and B9), and zinc (all locations)). TPH-G and VOCs were not detected in the sediment samples.

5.2 Affected Media

The analytical results from the limited Phase II ESA indicate that several of the COCs (TPH-D, TPH-O, PAHs, bis(2-ethyhexyl)phthalate, pesticides, one herbicide, one PCB, and metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, silver, vanadium, and zinc)) were detected in soil and/or sediment at the site. Many of the detected concentrations were very low, but some concentrations exceeded the RECAP screening standards.

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

Several of the COCs exceeded the RECAP screening standards. The COCs detected at concentrations above the RECAP standards are TPH-D (B11), TPH-O (B11), benz(a)anthracene (B12), benzo(a)pyrene (B12), benzo(b)fluoranthene (B12), dibenz(a,h)anthracene (B12), and indeno(1,2,3-cd)pyrene (B12), alpha-

BHC (B4), PCBs (Aroclor-1254) (B8), antimony (B8), arsenic (B10), barium (B2, B7, B8, B9, and B10), and lead (B8). Further evaluation is included below.

Soil

The samples from the west bank indicated little contamination. The TPH-D and TPH-O at B1 were very low concentrations and were below the RECAP standards. The metals concentrations are all very low (background levels) with the exception of barium at B2. This was the only COC to exceed RECAP screening standards in the west bank soil sampling. The elevated barium concentration may be associated with historical oil drilling in the area. The soil contamination identified was more significant on the IHNC east bank. TPH-D and TPH-O were very low at B10 in the boat launch area, but significantly above RECAP screening standards at B11. There was no staining, odor, or observable source of contamination in this area. The elevated TPH concentrations at B11 are likely a hot spot that is the result of a surface spill, possibly from vehicles present for boat launching. The PAH contamination (above RECAP standards) was limited to B12, which is close to the historical rail activity. The contamination is likely associated with creosote from railroad ties. The metals concentrations are primarily background levels, with the exception of arsenic and barium at B10. Based on the proximity of this borehole to the water level, these COCs may be attributed to contamination carried from other sources of industrial activity along the canal.

Sediment

There was no significant contamination identified in the west side of the canal. The TPH concentrations were very low (and below RECAP standards), and were detected in the sample from the jack-up barge footing (this could be contamination from the barge). The PAH concentrations were also very low (below RECAP standards) and may be associated with the TPHs. The three pesticides were all variations of BHC; EPA sampling after Hurricane Katrina indicated widespread detection of pesticides from flooding. Only alpha-BHC at B4 was above the RECAP standard. The metals concentrations were all at background levels (and below RECAP standards). As with the soil investigation, the sediment contamination identified was more significant on the east side of the canal (particularly at B8, which is closest to the bank). The TPH concentrations were again very low (below RECAP standards), and may be attributed to boat launching. The PAH concentrations were also very low (below RECAP standards) and may be associated with the TPHs. The DDT and 2,4-DB concentrations were very low (and below RECAP standards) and are likely the result of industrial activity and flooding following Hurricane Katrina. The presence of PCBs is also associated with industrial activity along the canal, although the detected concentration did exceed the limiting RECAP standard. Metals were at background levels with the exception of antimony, lead, and barium at B8. There was a lead facility in the area which may be the source of the lead and antimony, and barium is likely associated with historical oil drilling.

It should be noted that the reporting limits in soil for several SVOCs, two pesticides, and thallium exceeded the limiting RECAP standards. In addition, the reporting limits in sediment for PCBs in one sample and thallium in all samples exceeded the limiting RECAP standards. These elevated reporting limits are the result of laboratory attempts to correct matrix interference by sample dilution (initial runs resulted in surrogate recoveries outside the acceptable range and failure of internal standards).

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 blanks, field blanks, rinsate blank, split sample, and matrix spike/matrix spike duplicate (MS/MSD) analysis).

As indicated in the 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. In general, the samples were within the acceptance criteria.

Barium, lead, and phenol were detected in the rinsate blank. Phenol is a common laboratory contaminant and is not likely related to contamination from the field (phenol was not detected in any of the soil or sediment samples). The high levels of barium and lead detected in the soil and sediment samples likely resulted in the detection in the rinsate blank. Based on the high levels of these COCs in the field samples, the potential for cross-contamination from the drill stem to affect the detected concentrations (resulting in elevated concentrations) is very low. COCs were not detected in any of the other blanks, including method blanks, trip blanks, or field blanks.

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 and potential management options during construction. The soil and sediment sample results indicate that there are unacceptable concentrations of contaminants for unlimited reuse of the material in some areas of the proposed gate location. SPA-MMG's recommendations are discussed in Section 6.0.

6.0 Recommendations

The area under investigation is an industrial area and has been so historically. The presence of some contaminants in the surface soil and sediment is anticipated. TPH contaminants may be present associated with historical surface spills (a boat launch is located in the investigation area) as well as proximity to the industrial canal and/or from Hurricane Katrina flooding. PAH contaminants may be present in association with TPH as well as from creosote-treated railroad ties (there have been railroad tracks in the area historically). Metals are present in background concentrations as well as in association with industrial activity (antimony and lead may be present from the lead industry in the area). Barium could be attributed to use in historical oil drilling in the area. In addition, soil sampling conducted by the EPA following Hurricane Katrina revealed surface contamination from TPHs, pesticides, and metals in this area (resulting from flood waters). The COCs in the canal sediment could be from sources up and down the IHNC as there is industrial activity throughout that area and contaminants in the sediment move with water movement to and from Lake Pontchartrain.

The elevated concentrations exceed either the SSni or SSgw; however all of the concentrations are below the industrial standard for all COCs except arsenic and PAHs (see the following table). Therefore, the issue becomes re-use of the material rather than potential exposure during construction activities (in which case industrial exposure standards are appropriate). In the case of arsenic and PAHs, the locations of elevated concentrations (B10 and B12) would require appropriate PPE and precautions for exposure to construction workers during the construction phase (as well as appropriate disposal rather than re-use if excavated or dredged).

COC	RECAP SSi (mg/kg)	Highest Concentration (mg/kg)
TPH-D	510	450 (B11)
TPH-O	2500	250 (B11)
Benz(a)anthracene	**2.9**	**3.6 (B12)**
Benzo(a)pyrene	**0.33**	**4.8 (B12)**
Benzo(b)fluoranthene	**2.9**	**7.1 (B12)**
Dibenz(a,h)anthracene	**0.33**	**0.96 (B12)**
Indeno(1,2,3-cd)pyrene	**2.9**	**3.4 (B12)**
alpha-BHC	0.44	0.007 (B4)
PCBs (Aroclor-1254)	0.9	0.2 (B8)
Antimony	82	4.22 (B8)
Arsenic	**12**	**43.1 (B10)**
Barium	14000	5420 (B8)
Lead	1400	463 (B8)

Bold text - COCs and concentrations that exceed the industrial standard.

Contaminants have been detected at concentrations above the most conservative limiting screening standards (SSni and/or SSgw). These RECAP screening standards were considered based on the potential for re-use of the soil and sediment and the requirement to meet re-use criteria under RECAP.

Re-use of the dredge material and/or soil is therefore limited due to potential exposure as well as impact to underlying groundwater. Re-use onsite is acceptable for all locations except B10 and B12, since concentrations in the majority of locations (B1-B9 and B11) are below the industrial standard. Re-use onsite would be acceptable under RECAP re-use criteria for those areas.

The soil at B10 and B12 contains concentrations of arsenic (B10) and PAHs (B12) that exceed the industrial screening standards. If excavation is necessary in these areas, management by disposal at a permitted facility or placement in an area with limited or no potential for exposure (an area such as the confined disposal facility near the MRGO) would be required. The soil in these areas is characterized as non-hazardous (by TCLP) for disposal purposes. Confirmatory sampling as specified under a Corrective Action Plan would be necessary in conjunction with the excavation prior to backfilling. If excavation is not necessary at B10 and B12, leaving the soil in place and capping or covering the areas with a permanent structure to prevent exposure is an option. The elevated concentrations in these locations do not exceed the RECAP screening standards protective of groundwater, so direct exposure to the soil is the only issue.

Tables

Table 1: Summary of Soil Samples – IHNC Banks

Parameter	RECAP Screening Standard[1] (mg/kg)	Sample Result (mg/kg)					
		S-3514ACE-B1-0-3	S-3514ACE-B2-0-3	S-3514ACE-B3-0-3	S-3514ACE-B10-0-3	S-3514ACE-B11-0-3	S-3514ACE-B12-0-3
TPH-G	*65*	<5.0	<5.1	<5.4	<6.1	<5.6	<5.0
TPH-D	*65*	27	<10	<10	14	**450**	<10
TPH-O	180	20	<10	<10	21	**250**	<10
1,1-Biphenyl	*190*	<1.6	<1.6	<0.33	<1.6	<0.33	<1.6
1,2,4,5-Tetrachlorobenzene	1.2	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
1,2,4-Trichlorobenzene	*14*	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
1,3-Dinitrobenzene	*0.25*	**<0.85**	**<0.85**	<0.17	**<0.85**	<0.17	**<0.85**
2,3,4,6-Tetrachlorophenol	*31*	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
2,4,5-Trichlorophenol	*320*	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
2,4,6-Trichlorophenol	*1.3*	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
2,4-Dichlorophenol	*12*	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
2,4-Dimethylphenol	*20*	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
2,4-Dinitrophenol	*1.7*	**<3.3**	**<3.3**	<0.66	**<3.3**	<0.66	**<3.3**
2,4-Dinitrotoluene	*1.0*	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
2,6-Dinitrotoluene	*0.39*	**<0.85**	**<0.85**	<0.17	**<0.85**	<0.17	**<0.85**
2-Chloronaphthalene	*500*	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
2-Chlorophenol	*1.4*	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
2-Methylnaphthalene	*1.7*	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
2-Nitroaniline	*1.7*	<1.6	<1.6	<0.33	<1.6	<0.33	<1.6
3,3-Dichlorobenzidine	0.97	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
3-Nitroaniline	*1.7*	<1.6	<1.6	<0.33	<1.6	<0.33	<1.6
4-Chloroaniline	*1.5*	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
4-Nitroaniline	*1.7*	<1.6	<1.6	<0.33	<1.6	<0.33	<1.6
4-Nitrophenol	*2.6*	**<3.3**	**<3.3**	<0.66	**<3.3**	<0.66	**<3.3**
Acenaphthene	*220*	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
Acenaphthylene	*88*	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85

Parameter	RECAP Screening Standard[1] (mg/kg)	Sample Result (mg/kg)					
		S-3514ACE-B1-0-3	S-3514ACE-B2-0-3	S-3514ACE-B3-0-3	S-3514ACE-B10-0-3	S-3514ACE-B11-0-3	S-3514ACE-B12-0-3
Aniline	*0.065*	**<0.32**	**<0.32**	<0.065	**<0.32**	<0.065	**<0.32**
Anthracene	*120*	<0.85	<0.85	<0.17	<0.85	<0.17	1.3
Benz(a)anthracene	0.62	**<0.85**	**<0.85**	<0.17	**<0.85**	<0.17	**3.6**
Benzo(a)pyrene	0.33	**<0.85**	**<0.85**	<0.17	**<0.85**	<0.17	**4.8**
Benzo(b)fluoranthene	0.62	**<0.85**	**<0.85**	<0.17	**<0.85**	<0.17	**7.1**
Benzo(k)fluoranthene	6.2	<0.85	<0.85	<0.17	<0.85	<0.17	2.1
Bis(2-chloroethyl)ether	*0.33*	**<0.85**	**<0.85**	<0.17	**<0.85**	<0.17	**<0.85**
Bis(2-chloroisopropyl)ether	*0.8*	**<0.85**	**<0.85**	<0.17	**<0.85**	<0.17	**<0.85**
Bis(2-ethylhexyl)phthalate	35	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
Butyl benzyl phthalate	*220*	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
Chrysene	62	<0.85	<0.85	<0.17	<0.85	<0.17	4.7
Dibenz(a,h)anthracene	0.33	**<0.85**	**<0.85**	<0.17	**<0.85**	<0.17	**0.96**
Dibenzofuran	*24*	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
Diethyl phthalate	*360*	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
Dimethyl phthalate	*1500*	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
Di-n-octyl phthalate	240	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
Fluoranthene	220	<0.85	<0.85	<0.17	<0.85	<0.17	9.1
Fluorene	*230*	<0.85	<0.85	<0.17	<0.85	<0.17	1.7
Hexachlorobenzene	0.34	**<0.85**	**<0.85**	<0.17	**<0.85**	<0.17	**<0.85**
Hexachlorobutadiene	0.82	**<0.85**	**<0.85**	<0.17	**<0.85**	<0.17	**<0.85**
Hexachlorocyclopentadiene	1.4	**<1.6**	**<1.6**	<0.33	**<1.6**	<0.33	**<1.6**
Indeno(1,2,3-cd)pyrene	0.62	**<0.85**	**<0.85**	<0.17	**<0.85**	<0.17	**3.4**
Isophorone	*0.56*	**<0.85**	**<0.85**	<0.17	**<0.85**	<0.17	**<0.85**
Naphthalene	*1.5*	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
Nitrobenzene	*0.33*	**<0.85**	**<0.85**	<0.17	**<0.85**	<0.17	**<0.85**
N-Nitrosodi-n-propylamine	*0.33*	**<0.85**	**<0.85**	<0.17	**<0.85**	<0.17	**<0.85**
N-Nitrosodiphenylamine	*2.1*	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
Pentachlorophenol	*1.7*	**<3.3**	**<3.3**	<0.66	**<3.3**	<0.66	**<3.3**

Parameter	RECAP Screening Standard[1] (mg/kg)	Sample Result (mg/kg)					
		S-3514ACE-B1-0-3	S-3514ACE-B2-0-3	S-3514ACE-B3-0-3	S-3514ACE-B10-0-3	S-3514ACE-B11-0-3	S-3514ACE-B12-0-3
Phenanthrene	*660*	<0.85	<0.85	<0.17	<0.85	<0.17	8.1
Phenol	*11*	<0.85	<0.85	<0.17	<0.85	<0.17	<0.85
Pyrene	230	<0.85	<0.85	<0.17	<0.85	<0.17	7.1
1,1,1,2-Tetrachloroethane	*0.046*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
1,1,1-Trichloroethane	*4.0*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
1,1,2,2-Tetrachloroethane	*0.006*	<0.0018	<0.002	<0.002	<0.0019	<0.0022	<0.0021
1,1,2-Trichloroethane	*0.058*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
1,1-Dichloroethane	*7.5*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
1,1-Dichloroethene	*0.085*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
1,2-Dibromo-3-chloropropane	*0.01*	<0.0026	<0.0029	<0.0031	<0.0028	<0.0033	<0.0032
1,2-Dichlorobenzene	*29*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
1,2-Dichloroethane	*0.035*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
1,2-Dichloropropane	*0.042*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
1,3-Dichlorobenzene	*2.1*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
1,4-Dichlorobenzene	*5.7*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
2-Butanone	*5.0*	<0.018	<0.02	<0.02	<0.019	<0.022	<0.021
4-Methyl-2-pentanone	*6.4*	<0.0088	<0.0098	<0.01	<0.0093	<0.011	<0.011
Acetone	*1.5*	<0.088	<0.098	<0.1	<0.093	<0.11	<0.11
Benzene	*0.051*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
Bromodichloromethane	*0.92*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
Bromoform	*1.8*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
Bromomethane	*0.04*	<0.0088	<0.0098	<0.01	<0.0093	<0.011	<0.011
Carbon disulfide	*11*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
Carbon tetrachloride	*0.11*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
Chlorobenzene	*3.0*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
Chloroethane	*0.035*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
Chloroform	0.044	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
Chloromethane	*0.1*	<0.0088	<0.0098	<0.01	<0.0093	<0.011	<0.011

Parameter	RECAP Screening Standard[1] (mg/kg)	Sample Result (mg/kg)					
		S-3514ACE-B1-0-3	S-3514ACE-B2-0-3	S-3514ACE-B3-0-3	S-3514ACE-B10-0-3	S-3514ACE-B11-0-3	S-3514ACE-B12-0-3
Dibromochloromethane	*1.0*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
Ethylbenzene	*19*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
Hexachloroethane	*2.2*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
Isobutyl alcohol	*30*	<0.088	<0.098	<0.1	<0.093	<0.11	<0.11
Methyl tert-butyl ether	*0.077*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
Methylene chloride	*0.017*	<0.0088	<0.0098	<0.01	<0.0093	<0.011	<0.011
Styrene	*11*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
Tetrachloroethene	*0.18*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
Toluene	*20*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
Trichloroethene	*0.073*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
Trichlorofluoromethane	*37*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
Vinyl chloride	*0.013*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
cis-1,3-Dichloropropene	NS	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
trans-1,3-Dichloropropene	NS	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
cis-1,2-Dichloroethene	*0.49*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
trans-1,2-Dichloroethene	*0.77*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
m,p-Xylene	NS	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
o-Xylene	NS	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
1,3-Dichloropropene, total	*0.04*	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
1,2-Dichloroethene, total	NS	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
Xylene(s), total	18	<0.0044	<0.0049	<0.0051	<0.0046	<0.0056	<0.0053
4,4'-DDD	*1.5*	<0.017	<0.0017	<0.017	<0.0017	<0.017	<0.0017
4,4'-DDE	1.7	<0.017	<0.0017	<0.017	<0.0017	<0.017	<0.0017
4,4'-DDT	1.7	<0.017	<0.0017	<0.017	<0.0017	<0.017	<0.0017
Aldrin	0.028	<0.017	<0.0017	<0.017	<0.0017	<0.017	<0.0017
alpha-BHC	*0.0064*	**<0.017**	<0.0017	**<0.017**	<0.0017	**<0.017**	<0.0017
alpha-Chlordane	NS	<0.017	<0.0017	<0.017	<0.0017	<0.017	<0.0017
beta-BHC	*0.016*	<0.017	<0.0017	<0.017	<0.0017	<0.017	<0.0017

Parameter	RECAP Screening Standard[1] (mg/kg)	Sample Result (mg/kg)					
		S-3514ACE-B1-0-3	S-3514ACE-B2-0-3	S-3514ACE-B3-0-3	S-3514ACE-B10-0-3	S-3514ACE-B11-0-3	S-3514ACE-B12-0-3
Chlordane	1.6	<0.067	<0.0067	<0.067	<0.0067	<0.067	<0.0067
delta-BHC	NS	<0.017	<0.0017	<0.017	<0.0017	<0.017	<0.0017
Dieldrin	0.03	<0.017	<0.0017	<0.017	<0.0017	<0.017	<0.0017
Endosulfan I	34	<0.017	<0.0017	<0.017	<0.0017	<0.017	<0.0017
Endosulfan II	34	<0.017	<0.0017	<0.017	<0.0017	<0.017	<0.0017
Endosulfan sulfate	NS	<0.017	<0.0017	<0.017	<0.0017	<0.017	<0.0017
Endrin	1.8	<0.017	<0.0017	<0.017	<0.0017	<0.017	<0.0017
Endrin aldehyde	NS	<0.017	<0.0017	<0.017	<0.0017	<0.017	<0.0017
Endrin ketone	NS	<0.017	<0.0017	<0.017	<0.0017	<0.017	<0.0017
gamma-BHC (Lindane)	*0.033*	<0.017	<0.0017	<0.017	<0.0017	<0.017	<0.0017
gamma-Chlordane	NS	<0.017	<0.0017	<0.017	<0.0017	<0.017	<0.0017
Heptachlor	0.016	<0.017	<0.0017	<0.017	<0.0017	<0.017	<0.0017
Heptachlor epoxide	0.053	<0.017	<0.0017	<0.017	<0.0017	<0.017	<0.0017
Methoxychlor	30	<0.017	<0.0017	<0.017	<0.0017	<0.017	<0.0017
Toxaphene	0.44	**<1.7**	<0.17	**<1.7**	<0.17	**<1.7**	<0.17
PCB-1016	0.11	<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
PCB-1232	0.11	<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
PCB-1248	0.11	<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
PCB-1260	0.11	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033
2,4,5-T	NS	<0.0325	<0.0320	<0.0320	<0.327	<0.033	<0.0326
2,4,5-TP	NS	<0.0167	<0.0165	<0.0165	<0.169	<0.017	<0.0168
2,4-D	NS	<0.0657	<0.0647	<0.0648	<0.661	<0.0667	<0.0659
Dalapon	NS	<0.165	<0.162	<0.162	<1.66	<0.167	<0.165
2,4-DB	NS	<0.0657	<0.0647	<0.0648	<0.661	<0.0667	<0.0659
Dicamba	NS	<0.0325	<0.0320	<0.0320	<0.327	<0.033	<0.0326

Parameter	RECAP Screening Standard[1] (mg/kg)	Sample Result (mg/kg)					
		S-3514ACE-B1-0-3	S-3514ACE-B2-0-3	S-3514ACE-B3-0-3	S-3514ACE-B10-0-3	S-3514ACE-B11-0-3	S-3514ACE-B12-0-3
Dichloroprop	NS	<0.0657	<0.0647	<0.0648	<0.661	<0.0667	<0.0659
Dinoseb	*0.14*	<0.0657	<0.0647	<0.0648	<0.661	<0.0667	<0.0659
MCPA	NS	<3.28	<3.23	<3.23	<33	<3.33	<3.29
MCPP	NS	<3.28	<3.23	<3.23	<33	<3.33	<3.29
Picloram	NS	<0.0325	<0.0320	<0.0320	<0.327	<0.033	<0.0326
Antimony	3.1	<0.25	<0.25	<0.25	0.699	<0.25	<0.25
Arsenic	12	<2.0	5.65	<2.0	**43.1**	2.02	<2.0
Barium	550	282	**1090**	39.4	**598**	109	185
Beryllium	*8.0*	0.604	0.553	<0.5	0.575	0.607	0.535
Cadmium	3.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chromium	23	6.6	3.92	2.89	4.71	4.08	2.71
Cobalt	470	2.36	2.46	1.01	2.31	2.56	2.24
Copper	310	12.5	10.4	7.05	27.6	4.49	2.1
Lead	*100*	19.6	39.8	33.9	58.9	11.6	6.33
Mercury	2.3	1.68	<0.1	<0.1	0.193	0.136	<0.1
Nickel	160	6.91	4.9	3.0	4.18	5.46	3.96
Selenium	*20*	<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
Thallium	0.55	**<5.0**	**<5.0**	**<5.0**	**<5.9**	**<5.0**	**<5.0**
Vanadium	55	8.05	6.37	4.49	5.83	6.34	4.42
Zinc	2300	35.5	70.5	36.6	133	26.3	19.5

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 Results - IHNC Bottom

Parameter	RECAP Screening Standard[1] (mg/kg)	Sample Result (mg/kg)					
		SD-3514ACE-B4-0-3	SD-3514ACE-B6-30-35	SD-3514ACE-B7-0-3	SD-3514ACE-B8-0-3	SD-3514ACE-B8-0-3a	SD-3514ACE-B9-0-3
TPH-G	*65*	<5.3	<5.4	<5.1	<3.8	<4.1	<5.1
TPH-D	*65*	<10	24	<10	20	20	<10
TPH-O	180	<10	13	<10	21	17	<10
1,1-Biphenyl	*190*	<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
1,2,4-Trichlorobenzene	*14*	<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
2,3,4,6-Tetrachlorophenol	*31*	<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
2,4,6-Trichlorophenol	*1.3*	<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
2,4-Dimethylphenol	*20*	<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
2,4-Dinitrotoluene	*1.0*	<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
2-Chloronaphthalene	*500*	<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
2-Methylnaphthalene	*1.7*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
2-Nitroaniline	*1.7*	<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
3-Nitroaniline	*1.7*	<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
4-Nitroaniline	*1.7*	<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
Acenaphthene	*220*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Acenaphthylene	*88*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17

Parameter	RECAP Screening Standard[1] (mg/kg)	Sample Result (mg/kg)					
		SD-3514ACE-B4-0-3	SD-3514ACE-B6-30-35	SD-3514ACE-B7-0-3	SD-3514ACE-B8-0-3	SD-3514ACE-B8-0-3a	SD-3514ACE-B9-0-3
Aniline	*0.065*	<0.065	<0.065	<0.065	<0.065	<0.065	<0.065
Anthracene	*120*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Benz(a)anthracene	0.62	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Benzo(a)pyrene	0.33	<0.17	<0.17	<0.17	<0.17	0.23	<0.17
Benzo(b)fluoranthene	0.62	<0.17	<0.17	<0.17	<0.17	0.31	<0.17
Benzo(k)fluoranthene	6.2	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Bis(2-chloroethyl)ether	*0.33*	<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
Bis(2-ethylhexyl)phthalate	35	<0.17	<0.17	<0.17	0.28	<0.17	<0.17
Butyl benzyl phthalate	*220*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Chrysene	62	<0.17	<0.17	<0.17	<0.17	0.17	<0.17
Dibenz(a,h)anthracene	0.33	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Dibenzofuran	*24*	<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
Dimethyl phthalate	*1500*	<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
Fluoranthene	220	<0.17	0.29	<0.17	<0.17	0.34	<0.17
Fluorene	*230*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Hexachlorobenzene	0.34	<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
Hexachlorocyclopentadiene	1.4	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Indeno(1,2,3-cd)pyrene	0.62	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Isophorone	*0.56*	<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
Nitrobenzene	*0.33*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
N-Nitrosodi-n-propylamine	*0.33*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
N-Nitrosodiphenylamine	*2.1*	<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

Parameter	RECAP Screening Standard[1] (mg/kg)	Sample Result (mg/kg)					
		SD-3514ACE-B4-0-3	SD-3514ACE-B6-30-35	SD-3514ACE-B7-0-3	SD-3514ACE-B8-0-3	SD-3514ACE-B8-0-3a	SD-3514ACE-B9-0-3
Phenanthrene	*660*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Phenol	*11*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Pyrene	230	<0.17	0.23	<0.17	0.38	0.66	<0.17
1,1,1,2-Tetrachloroethane	*0.046*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
1,1,1-Trichloroethane	*4.0*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
1,1,2,2-Tetrachloroethane	*0.006*	<0.0021	<0.002	<0.0022	<0.0024	<0.0018	<0.002
1,1,2-Trichloroethane	*0.058*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
1,1-Dichloroethane	*7.5*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
1,1-Dichloroethene	*0.085*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
1,2-Dibromo-3-chloropropane	*0.01*	<0.0031	<0.003	<0.0033	<0.0036	<0.0027	<0.0029
1,2-Dichlorobenzene	*29*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
1,2-Dichloroethane	*0.035*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
1,2-Dichloropropane	*0.042*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
1,3-Dichlorobenzene	*2.1*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
1,4-Dichlorobenzene	*5.7*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
2-Butanone	*5.0*	<0.021	<0.02	<0.022	<0.024	<0.018	<0.02
4-Methyl-2-pentanone	*6.4*	<0.01	<0.01	<0.011	<0.012	<0.0089	<0.0098
Acetone	*1.5*	<0.1	<0.1	<0.11	<0.12	<0.089	<0.098
Benzene	*0.051*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
Bromodichloromethane	*0.92*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
Bromoform	*1.8*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
Bromomethane	*0.04*	<0.01	<0.01	<0.011	<0.012	<0.0089	<0.0098
Carbon disulfide	*11*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
Carbon tetrachloride	*0.11*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
Chlorobenzene	*3.0*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
Chloroethane	*0.035*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
Chloroform	0.044	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
Chloromethane	*0.1*	<0.01	<0.01	<0.011	<0.012	<0.0089	<0.0098

Parameter	RECAP Screening Standard[1] (mg/kg)	Sample Result (mg/kg)					
		SD-3514ACE-B4-0-3	SD-3514ACE-B6-30-35	SD-3514ACE-B7-0-3	SD-3514ACE-B8-0-3	SD-3514ACE-B8-0-3a	SD-3514ACE-B9-0-3
Dibromochloromethane	*1.0*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
Ethylbenzene	*19*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
Hexachloroethane	*2.2*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
Isobutyl alcohol	*30*	<0.1	<0.1	<0.11	<0.12	<0.089	<0.098
Methyl tert-butyl ether	*0.077*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
Methylene chloride	*0.017*	<0.01	<0.01	<0.011	<0.012	<0.0089	<0.0098
Styrene	*11*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
Tetrachloroethene	*0.18*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
Toluene	*20*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
Trichloroethene	*0.073*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
Trichlorofluoromethane	*37*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
Vinyl chloride	*0.013*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
cis-1,3-Dichloropropene	NS	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
trans-1,3-Dichloropropene	NS	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
cis-1,2-Dichloroethene	*0.49*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
trans-1,2-Dichloroethene	*0.77*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
m,p-Xylene	NS	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
o-Xylene	NS	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
1,3-Dichloropropene, total	*0.04*	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
1,2-Dichloroethene, total	NS	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
Xylene(s), total	18	<0.0052	<0.005	<0.0054	<0.0059	<0.0045	<0.0049
4,4'-DDD	*1.5*	<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
4,4'-DDT	1.7	<0.0017	<0.0017	<0.0017	0.0073	0.003	0.0022
Aldrin	0.028	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
alpha-BHC	*0.0064*	**0.007**	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
alpha-Chlordane	NS	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
beta-BHC	*0.016*	0.008	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017

Parameter	RECAP Screening Standard[1] (mg/kg)	Sample Result (mg/kg)					
		SD-3514ACE-B4-0-3	SD-3514ACE-B6-30-35	SD-3514ACE-B7-0-3	SD-3514ACE-B8-0-3	SD-3514ACE-B8-0-3a	SD-3514ACE-B9-0-3
Chlordane	1.6	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067	<0.0067
delta-BHC	NS	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Dieldrin	0.03	<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
Endosulfan II	34	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Endosulfan sulfate	NS	<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
Endrin aldehyde	NS	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
Endrin ketone	NS	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
gamma-BHC (Lindane)	*0.033*	0.0028	<0.0017	<0.0017	<0.0017	<0.0017	<0.0017
gamma-Chlordane	NS	<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
Heptachlor epoxide	0.053	<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
Toxaphene	0.44	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
PCB-1016	0.11	<0.033	<0.033	<0.033	<0.033	**<0.33**	<0.033
PCB-1221	0.11	<0.033	<0.033	<0.033	<0.033	**<0.33**	<0.033
PCB-1232	0.11	<0.033	<0.033	<0.033	<0.033	**<0.33**	<0.033
PCB-1242	0.11	<0.033	<0.033	<0.033	<0.033	**<0.33**	<0.033
PCB-1248	0.11	<0.033	<0.033	<0.033	<0.033	**<0.33**	<0.033
PCB-1254	0.11	<0.033	<0.033	<0.033	**0.2**	**<0.33**	<0.033
PCB-1260	0.11	<0.033	<0.033	<0.033	<0.033	**<0.33**	<0.033
2,4,5-T	NS	<0.0323	<0.0329	<0.0329	<0.0330	<0.0322	<0.0323
2,4,5-TP	NS	<0.0167	<0.0169	<0.0169	<0.0170	<0.0166	<0.0167
2,4-D	NS	<0.0653	<0.0664	<0.0665	<0.0666	<0.0651	<0.0654
Dalapon	NS	<0.164	<0.166	<0.166	<0.167	<0.163	<0.164
2,4-DB	NS	<0.0653	<0.0664	<0.0665	0.0666	<0.0651	<0.0654
Dicamba	NS	<0.0323	<0.0329	<0.0329	<0.0330	<0.0322	<0.0323

Parameter	RECAP Screening Standard[1] (mg/kg)	Sample Result (mg/kg)					
		SD-3514ACE-B4-0-3	SD-3514ACE-B6-30-35	SD-3514ACE-B7-0-3	SD-3514ACE-B8-0-3	SD-3514ACE-B8-0-3a	SD-3514ACE-B9-0-3
Dichloroprop	NS	<0.0653	<0.0664	<0.0665	<0.0666	<0.0651	<0.0654
Dinoseb	*0.14*	<0.0653	<0.0664	<0.0665	<0.0666	<0.0651	<0.0654
MCPA	NS	<3.26	<3.32	<3.32	<3.33	<3.25	<3.26
MCPP	NS	<3.26	<3.32	<3.32	<3.33	<3.25	<3.26
Picloram	NS	<0.0323	<0.0329	<0.0329	<0.0330	<0.0322	<0.0323
Antimony	3.1	<0.25	<0.25	0.365	2.91	**4.22**	<0.25
Arsenic	12	<1.0	1.63	2.24	7.07	6.11	1.23
Barium	550	64.8	49	**2300**	**5420**	**4130**	**2090**
Beryllium	*8.0*	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium	3.9	<0.5	<0.5	1.63	2.32	0.903	<0.5
Chromium	23	1.51	7.99	2.85	14	4.6	2.92
Cobalt	470	0.757	2.2	1.32	1.91	1.57	1.18
Copper	310	1.16	7.29	41.5	24.5	10.5	4.72
Lead	*100*	7.64	35.1	46.2	**463**	**399**	37.3
Mercury	2.3	<0.1	0.11	<0.1	0.4	0.662	0.103
Nickel	160	1.33	5.25	3.12	4.69	3.6	3.17
Selenium	*20*	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Silver	3.9	<0.25	<0.25	<0.25	1.11	0.822	<0.25
Thallium	0.55	**<1.25**	**<1.25**	**<1.25**	**<1.25**	**<1.25**	**<1.25**
Vanadium	55	<2.5	9.9	4.26	26.1	7.29	5.5
Zinc	2300	6.53	42.5	323	638	220	45.2

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 3: Summary of TCLP Results

Parameter	TCLP Threshold (mg/l)	Sample Result (mg/l)			
		WA-3514ACE-Comp1	WA-3514ACE-Comp2	WA-3514ACE-Comp3	WA-3514ACE-Comp4
Arsenic	5.0	<0.2	<0.2	<0.2	<0.2
Barium	100	1.01	0.444	3.56	1.37
Cadmium	1.0	<0.1	<0.1	<0.1	<0.1
Chromium	5.0	<0.1	<0.1	<0.1	<0.1
Lead	5.0	<0.2	<0.2	<0.2	0.297
Mercury	0.2	<0.02	<0.02	<0.02	<0.02
Selenium	1.0	<0.2	<0.2	<0.2	<0.2
Silver	5.0	<0.1	<0.1	<0.1	<0.1
2,4,5-TP (Silvex)	1.0	<0.001	<0.001	<0.001	<0.001
2,4-D	10	<0.01	<0.01	<0.01	<0.01
Chlordane	0.03	<0.002	<0.002	<0.002	<0.002
Endrin	0.02	<0.0005	<0.0005	<0.0005	<0.0005
gamma-BHC	0.4	<0.0005	<0.0005	<0.0005	<0.0005
Heptachlor	0.008	<0.0005	<0.0005	<0.0005	<0.0005
Heptachlor epoxide	0.008	<0.0005	<0.0005	<0.0005	<0.0005
Methoxychlor	10	<0.0005	<0.0005	<0.0005	<0.0005
Toxaphene	0.5	<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	7.5	<0.05	<0.05	<0.05	<0.05
2,4,5-Trichlorophenol	400	<0.05	<0.05	<0.05	<0.05
2,4,6-Trichlorophenol	2.0	<0.05	<0.05	<0.05	<0.05
2,4-Dinitrotoluene	0.13	<0.05	<0.05	<0.05	<0.05
Hexachlorobenzene	0.13	<0.05	<0.05	<0.05	<0.05
Hexachlorobutadiene	0.5	<0.05	<0.05	<0.05	<0.05
Hexachloroethane	3.0	<0.05	<0.05	<0.05	<0.05
Nitrobenzene	2.0	<0.05	<0.05	<0.05	<0.05
Pentachlorophenol	100	<0.2	<0.2	<0.2	<0.2
Pyridine	5.0	<0.05	<0.05	<0.05	<0.05

Parameter	TCLP Threshold (mg/l)	Sample Result (mg/l)			
		WA-3514ACE-Comp1	WA-3514ACE-Comp2	WA-3514ACE-Comp3	WA-3514ACE-Comp4
m,p-Cresols	200	<0.05	<0.05	<0.05	<0.05
o-Cresol	200	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethene	0.7	<0.05	<0.05	<0.05	<0.05
1,2-Dichloroethane	0.5	<0.05	<0.05	<0.05	<0.05
2-Butanone	200	<0.1	<0.1	<0.1	<0.1
Benzene	0.5	<0.05	<0.05	<0.05	<0.05
Carbon tetrachloride	0.5	<0.05	<0.05	<0.05	<0.05
Chlorobenzene	100	<0.05	<0.05	<0.05	<0.05
Chloroform	6.0	<0.05	<0.05	<0.05	<0.05
Tetrachloroethene	0.7	<0.05	<0.05	<0.05	<0.05
Trichloroethene	0.5	<0.05	<0.05	<0.05	<0.05
Vinyl chloride	0.2	<0.1	<0.1	<0.1	<0.1

Table 4: Sample Location Geographic Coordinates

Borehole	Geographic Coordinates	
	Latitude	Longitude
B1 (west bank)	N 30º 1' 49.43"	W 90º 2' 5.7"
B2 (west bank)	N 30º 1' 49.46"	W 90º 2' 8.7"
B3 (west bank)	N 30º 1' 48.72"	W 90º 2' 12.1"
B4 (west canal bottom)	N 30º 1' 50.7"	W 90º 2' 4.3"
B5 (west canal bottom)	N 30º 1' 49.73"	W 90º 2' 5.02"
B6 (west canal bottom)	N 30º 1' 48.36"	W 90º 2' 4.43"
B7 (east canal bottom)	N 30º 1' 49.88"	W 90º 2' 1.25"
B8 (east canal bottom)	N 30º 1' 50.25"	W 90º 2' 0.59"
B9 (east canal bottom)	N 30º 1' 49.21"	W 90º 2' 0.33"
B10 (east bank)	N 30º 1' 51.01"	W 90º 2' 0.13"
B11 (east bank)	N 30º 1' 52.3"	W 90º 1' 58.83"
B12 (east bank)	N 30º 1' 53.06"	W 90º 1' 54.93"

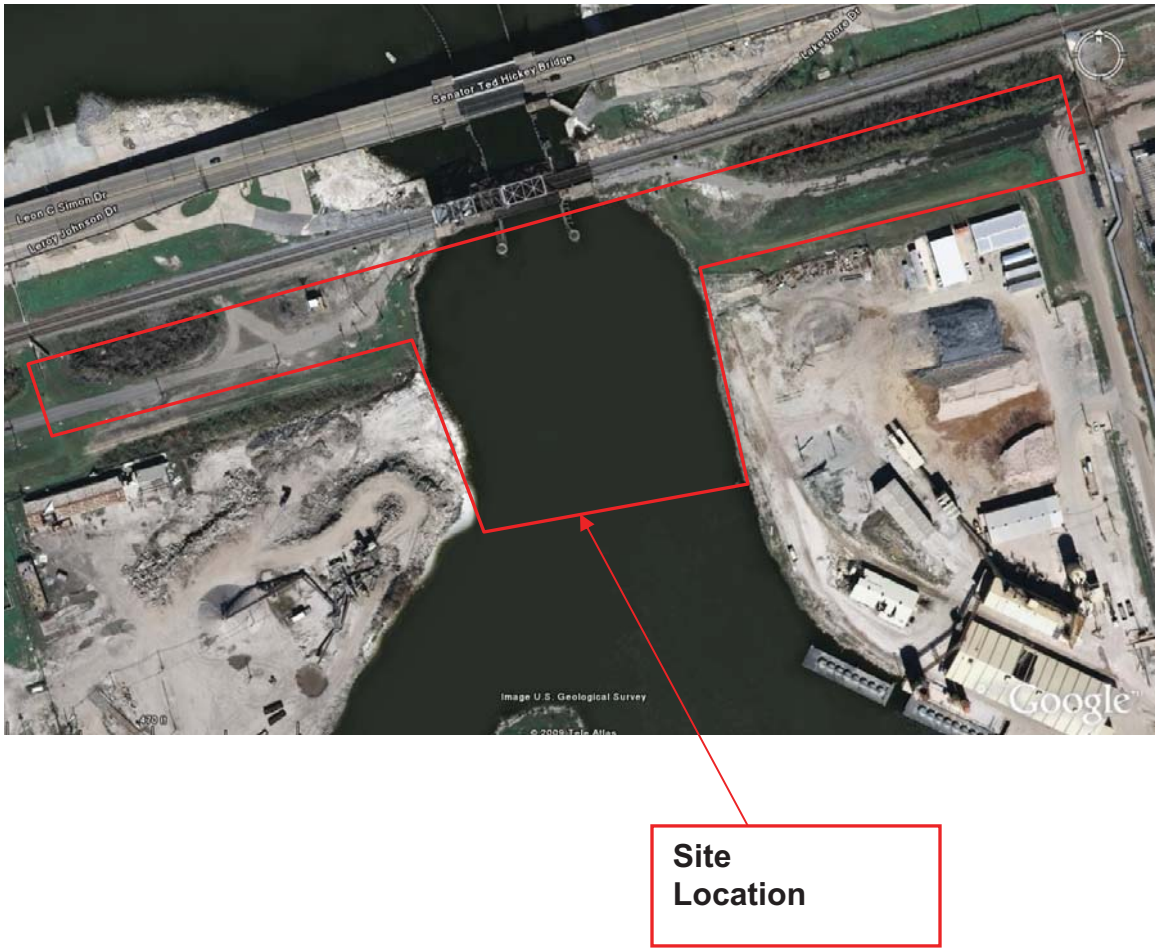
Table 5: Summary of PID Results

Sample Location	PID Result (ppm)
B1	0.0
B2	0.0
B3	0.0
B4	0.0
B5	No sample
B6	0.0
B7	0.0
B8	0.0
B9	0.0
B10	0.0
B11	0.0
B12	0.0

Figures

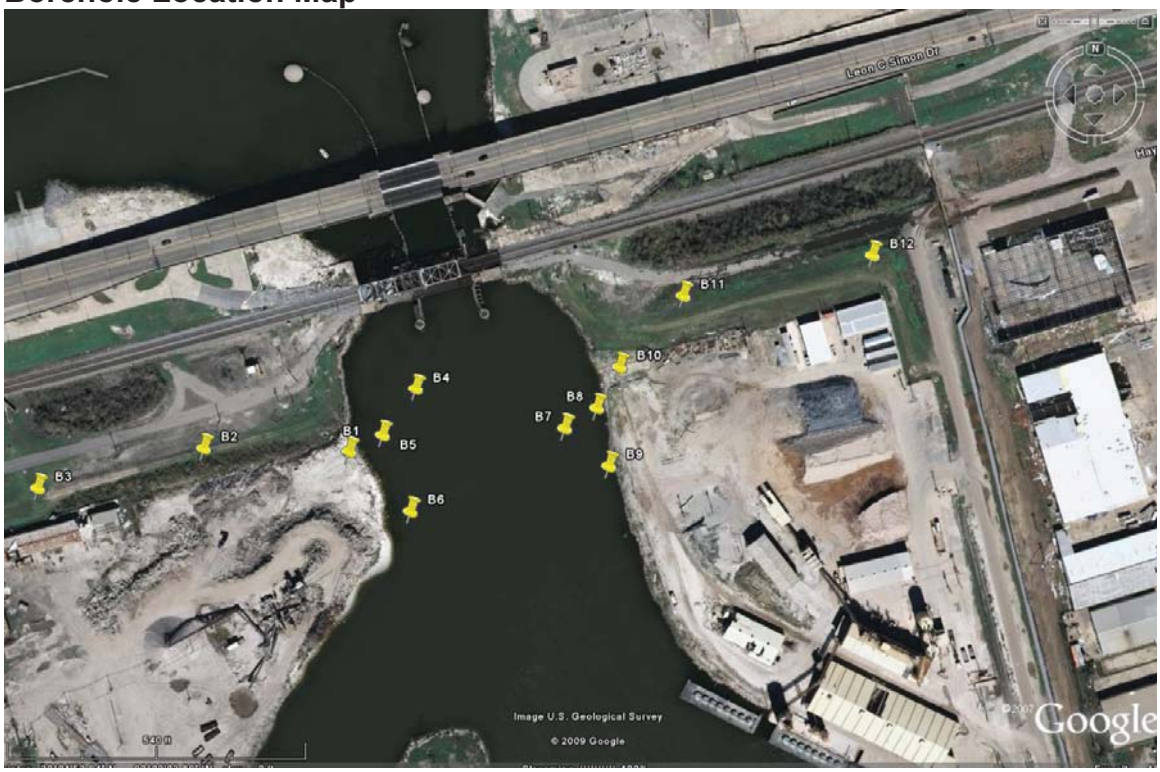
Figure 1: Site Location Map

Site Location Map



Site Location

Borehole Location Map



Appendices

Appendix A: Sampling Logs

SEDIMENT/SOIL SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 14	Project: 3514-ACE Site: ~~Seabrook PIIESA~~
Sample I.D.: SD-3514ACE-B1-0-3	
Date (YYMMDD): 09/10/05	
Time (HHMMSS): 11:45	
Top Depth: 0'	
Bottom Depth: 3'	
Matrix: Soil	
Sample Qualifier: QA/QC/RB/CS	
Sample Type: MS/MSD	
Sampler: WT	
Witness: GB	
Contractor: MMG – WHE	
Remarks:	
N: W:	
Grey-Green coarse sand, no odor, shell inclusions	
Weather: 85°F, P-Cloudy, Humid	
Prepared by: W.T.	
Checked by: G.B.	

Analytical Request MS/MSD

Container Type	Sample Volume	Parameter	No. of Cont.
Encore	0.5	TPH-G	4, 8
		VOCs	
Glass	8oz	TPH-D-O	1, 2
		SVOCs	
		Pests	
		PCBs	
Glass	4oz	Herbs	1, 2
Glass	4oz	Metals	1, 2

Field Screening Results

PID	0-3	0.0

SEDIMENT/SOIL SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 14	Project: 3514-ACE Site: ~~Seabrook PIIESA~~
Sample I.D.: SD- 3514ACE - B2 - 0 - 3	
Date (YYMMDD): 09 / 10 / 05	
Time (HHMMSS): 12:30	
Top Depth: 0'	
Bottom Depth: 3'	
Matrix: Soil	
Sample Qualifier: QA/QC/RB/(CS)	
Sample Type:	
Sampler: WT	
Witness: G.B	
Contractor: MMG - WHE	
Remarks:	
N: W:	
Grey-Green coarse sand, no odor, shell inclusions	
Weather: 85°F, P-Cloudy, Humid	
Prepared by: WT	
Checked by: GB	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encore	0.5	TPH-G	4
		VOCs	
Glass	8oz	TPH-D-O	1
		SVOCs	
		Pests	
		PCBs	
Glass	4oz	Herbs	1
Glass	4oz	Metals	1

Field Screening Results

PID	0-3	0.0

SEDIMENT/SOIL SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 14	Project: 3514-ACE Site: ~~Seabrook PIIESA~~
Sample I.D.: SD-3514ACE-B3-0-3	
Date (YYMMDD): 09/10/05	
Time (HHMMSS): 12:45	
Top Depth: 0'	
Bottom Depth: 3'	
Matrix: Soil	
Sample Qualifier: QA/QC/RB/CS	
Sample Type:	
Sampler: WT	
Witness: GB	
Contractor: MMG-WHE	
Remarks:	
N: W:	
Grey-Green coarse sand, no odor, shell inclusions	
Weather: 85°F, P-Cloudy, Humid	
Prepared by: WT	
Checked by: GB	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encore	0.5	TPH-G	4
		VOCs	
Glass	8oz	TPH-D-O	1
		SVOCs	
		Pests	
		PCBs	
Glass	4oz	Herbs	1
Glass	4oz	Metals	1

Field Screening Results

PID	0-3	0.0

SEDIMENT/SOIL SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 14	Project: 3514-ACE Site: ~~Seabrook PIIESA~~
Sample I.D.: WA ~~SBR~~-3514ACE-WASTE 1	
Date (YYMMDD):	09 / 10 / 05
Time (HHMMSS):	13:00
Top Depth:	0'
Bottom Depth:	3'
Matrix:	Soil
Sample Qualifier:	QA/QC/RB/CS
Sample Type:	Composite
Sampler:	WT.
Witness:	GB.
Contractor:	MMG-WHE
Remarks:	
Weather:	
Prepared by:	WT
Checked by:	GB

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Glass	32oz	Full TCLP	1

Field Screening Results

SEDIMENT/SOIL SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 14	Project: 3514-ACE Site: ~~Seabrook PIIESA~~
Sample I.D.: SD-3514ACE-B4-0-3	
Date (YYMMDD): 09 / 10 / 06	
Time (HHMMSS): 14:30	
Top Depth: 0'	
Bottom Depth: 3'	
Matrix: Soil	
Sample Qualifier: QA/QC/RB/CS	
Sample Type:	
Sampler: W. Thompson (W.T.)	
Witness: ~~D. Gallegoes (D.G)~~ W.T.	
Contractor: MMG - WHE - SE	
Remarks: B4 location was moved north of original location due to no recovery and shell materials. New location is a 3' sediment sample in 20' of water.	
N:	W:
Grey - Green coarse sand, no odor, shell inclusions	
Weather: 85°F, P-Cloudy, Humid	
Prepared by: W. T.	
Checked by: G. B.	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encore	0.5	TPH-G	4
		VOCs	
Glass	8 oz	TPH D&O	1
		SVOCs	
		Pests	
		PCBs	
Glass	4 oz	Herbs	1
Glass	4 oz	Metals	1

Field Screening Results

PID	0-3	0.0

SEDIMENT/SOIL SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 14	Project: 3514-ACE Site: ~~Seabrook PIIESA~~
Sample I.D.: SD-3514ACE-B5-0-3	
Date (YYMMDD): 09 / 10 / 06	
Time (HHMMSS): —	
Top Depth: —	
Bottom Depth: —	
Matrix: —	
Sample Qualifier: QA/QC/RB/CS	
Sample Type: —	
Sampler: W. Thompson	
Witness: G. Brooks	
Contractor: MMG - WHE - SE	
Remarks: Sample area is covered by dreged shell material. With current sampling methods recovery is not possible. This borehole was attempted 5 times to a depth of 20' bgs in up to 30' of water. Samples & Borehole abandoned.	
Weather: P-Cloudy, 85°F, 10 MPH NW	
Prepared by: WT	
Checked by: GB	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
	N/A		

Field Screening Results

	N/A	

SEDIMENT/SOIL SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 14	Project: 3514-ACE Site: ~~Seabrook PIIESA~~
Sample I.D.: SD-3514ACE-B6-30-35	
Date (YYMMDD): 09/10/06	
Time (HHMMSS): 14:00	
Top Depth: 30	
Bottom Depth: 35	
Matrix: Soil	
Sample Qualifier: ~~QA/QC~~/RB/CS	
Sample Type:	
Sampler: W.T.	
Witness: G.B.	
Contractor: MMG-WHE-SE	

Remarks: B6 0-3 like B5-0-3 is a borehole with no recovery for the same reason (shells). This sample B6-30-35 is material collected from the foot of the jack up barge. The left foot of the barge was placed 30' below the water surface. The foot sliped in another 5' to a depth of 35'. When the foot was brought to the surface it was covered in a Green-Grey coarse sand, no odor, shell inclusions. Samples were collected for analysis. Dr. Kim of USAC approved.

Weather:

Prepared by: WT

Checked by: G.B

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encore	0.5	TPH-G	4
		VOCs	
Glass	8oz	TPH D-O	1
		SVOCs	
		Pests	
		PCB	
Glass	4oz	Herbs	1
Glass	4oz	Metals	1

Field Screening Results

PID	30-35	0.0

N W

SEDIMENT/SOIL SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 14	Project: 3514-ACE Site: ~~Seabrook PIIESA~~
Sample I.D.: WA-3514ACE-COMP2	
Date (YYMMDD): 09/10/06	
Time (HHMMSS): 16:10	
Top Depth: 0'	
Bottom Depth: 3'	
Matrix: Soil	
Sample Qualifier: QA/QC/RB/~~BS~~	
Sample Type: Composite	
Sampler: W.T.	
Witness: G.B.	
Contractor: MMG-SE WHE	
Remarks:	
Weather:	
Prepared by: W.T.	
Checked by: GB	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Glass	32 oz	Full TCLP	1

Field Screening Results

SEDIMENT/SOIL SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 14	Project: 3514-ACE Site: ~~Seabrook PIIESA~~
Sample I.D.: SD-3514ACE-BT-0-3	
Date (YYMMDD): 09/10/06	
Time (HHMMSS): 15:45	
Top Depth: 0	
Bottom Depth: 3	
Matrix: Soil	
Sample Qualifier: ~~QA/QC~~/RB/~~CS~~	
Sample Type:	
Sampler: WT	
Witness: GB	
Contractor: WHE-MMG-SE	
Remarks:	
N: W:	
Green-Grey coarse sand, no odor, shell inclusions	
Weather: 85°F, P cloudy, 10 NW	
Prepared by: WT	
Checked by: GB	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encore	0.5	TPH-G	4
		VOC	
Glass	8 oz	TPH-D-O	1
		SVOCs	
		Pests	
		PCBs	
Glass	4 oz	Herbs	1
Glass	4 oz	Metals	1

Field Screening Results

PID	0-3	0.0

SEDIMENT/SOIL SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 14	Project: 3514-ACE Site: ~~Seabrook PIIESA~~
Sample I.D.: SD-3514ACE-B8-0-3a SD-3514ACE-B8-0-3	
Date (YYMMDD):	09/10/06
Time (HHMMSS):	15:15
Top Depth:	0
Bottom Depth:	3
Matrix:	
Sample Qualifier:	QA/QC/RB/CS
Sample Type:	SPLIT
Sampler:	WT
Witness:	GB
Contractor:	MMG-WHE-SE
Remarks:	
N:	W:
Green - Grey coarse sand, no odor, shell inclusions	
Weather: 85°F, P-Cloudy, 10 NW	
Prepared by:	WT
Checked by:	GB

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encore	0.5	TPH-G	4, 4
		VOC	
Glass	8 oz	TPH-D-O	1, 1
		SVOCs	
		Pest	
		PCBs	
Glass	4 oz	Herbs	1, 1
Glass	4 oz	Metals	1, 1

Field Screening Results

PID	0-3	0.0

SEDIMENT/SOIL SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 14	Project: 3514-ACE Site: ~~Seabrook PIIESA~~
Sample I.D.: SD-3514 ACE - B9 - 0 - 3	
Date (YYMMDD): 09 / 10 / 06	
Time (HHMMSS): 15:30	
Top Depth: 0	
Bottom Depth: 3	
Matrix:	
Sample Qualifier: QA/QC/RB/QS	
Sample Type:	
Sampler: WA	
Witness: GB	
Contractor: MMG - SE WHE	
Remarks:	
N: W:	
Green - Gray coarse sand, no odor, shell inclusions	
Weather: 85°F, P-Cloudy, 10 NW	
Prepared by: WA	
Checked by: GB	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encore	0.5	TPH-G	4
		VOC	
Glass	8 oz	TPH-D-O	1
		SVOCs	
		Pests	
		PCB	
Glass	4oz	Herbs	1
Glass	4oz	Metals	1

Field Screening Results

PID	0-3	0.0

SEDIMENT/SOIL SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 14	Project: 3514-ACE Site: ~~Seabrook PIIESA~~
Sample I.D.:	WA-3514 ACE- -Comp 3
Date (YYMMDD):	09/10/06
Time (HHMMSS):	16:15
Top Depth:	0'
Bottom Depth:	3'
Matrix:	Soil
Sample Qualifier:	QA/QC/RB/CS
Sample Type:	Composite
Sampler:	WT.
Witness:	GB.
Contractor:	MMG-SE-WHE
Remarks:	
Weather:	
Prepared by:	WT
Checked by:	GB

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Glass	28oz or 32oz	Full TCLP	1

Field Screening Results

SEDIMENT/SOIL SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 14	Project: 3514-ACE Site: ~~Seabrook PIIESA~~
Sample I.D.: SD-3514ACE - B10-0-3	
Date (YYMMDD): 09 / 10 / 05	
Time (HHMMSS): 14:05	
Top Depth: 0'	
Bottom Depth: 3'	
Matrix: Soil	
Sample Qualifier: QA/QC/RB/~~QS~~	
Sample Type:	
Sampler: WT	
Witness: GB	
Contractor: MMG- WHE	
Remarks:	
N: W:	
Grey-Green coarse sand, no odor, shell inclusions	
Weather: 85°F, P-Cloudy, Humid	
Prepared by: WT.	
Checked by: GB.	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encore	0.5	TPH-G	4
		VOCs	
Glass	8oz	TPH-D-O	1
		SVOCs	
		Pests	
		PCBs	
Glass	4oz	Herbs	1
Glass	4oz	Metals	1

Field Screening Results

PID	0-3	0.0

SEDIMENT/SOIL SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 14	Project: 3514-ACE Site: ~~Seabrook PIIESA~~
Sample I.D.: SD-3514ACE-B11-0-3	
Date (YYMMDD): 09/10/05	
Time (HHMMSS): 14:10	
Top Depth: 0'	
Bottom Depth: 3'	
Matrix:	
Sample Qualifier: QA/QC/RB/CS	
Sample Type:	
Sampler: W.T.	
Witness: G.B.	
Contractor:	
Remarks: MMG-WHE	
N: W:	
Grey-Green coarse sand, no odor, shell inclusions.	
Weather: 85°F, P-Cloudy, Humid	
Prepared by: W.T.	
Checked by: G.B.	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encore	0.5	TPH-G	4
		VOCs	
Glass	8oz	TPH-D-O	1
		SVOCs	
		Pests	
		PCBs	
Glass	4oz	Herbs	1
Glass	4oz	Metals	1

Field Screening Results

PID	0-3	0.0

SEDIMENT/SOIL SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 14	Project: 3514-ACE Site: ~~Seabrook PIIESA~~
Sample I.D.: SD-3514ACE-B12-0-3	
Date (YYMMDD): 09/10/05	
Time (HHMMSS): 14:30	
Top Depth: 0'	
Bottom Depth: 3'	
Matrix: Soil	
Sample Qualifier: QA/QC/RB/SS	
Sample Type:	
Sampler: W.T.	
Witness: GB	
Contractor: MMG-WHE	
Remarks:	
N: W:	
Grey-Green Course sand, no odor, Shell inclusions	
Weather: 85°F, P-Cloudy, Humid	
Prepared by: WT	
Checked by: G.B.	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Encore	0.5	TPH-G	4
		VOCs	
Glass	8oz	TPH-D-O	1
		SVOCs	
		Pests	
		PCBs	
Glass	4oz	Herbs	1
Glass	4oz	Metals	1

Field Screening Results

PID	0-3	0.0

SEDIMENT/SOIL SAMPLE COLLECTION LOG

Delivery Order No W912P8-08-D-0029, TO 14	Project: 3514-ACE Site: ~~Seabrook PIIESA~~
Sample I.D.: ~~MA~~ MA-3514ACE-WASTE4	
Date (YYMMDD): 09/10/05	
Time (HHMMSS): 15:00	
Top Depth: ~~0~~ 1'	
Bottom Depth: 3'	
Matrix: Soil	
Sample Qualifier: QA/QC/RB/CS	
Sample Type: Composite	
Sampler: WT	
Witness: GB	
Contractor: MMG-WHE	
Remarks:	
Weather:	
Prepared by: WT	
Checked by: GB	

Analytical Request

Container Type	Sample Volume	Parameter	No. of Cont.
Glass	32 oz	Full TCLP	1

Field Screening Results

(504) 368-0568

Materials Management Group, Inc.
3520 General DeGaulle Drive, Suite 3010
New Orleans, Louisiana 70114

SOIL SAMPLING LOG

Borehole B 1

CLIENT: USACE
FILE NUMBER: 3514ACE
PROJECT NAME:
DATE:
LOCATION:
SAMPLING PERSONNEL: Wendell J. Thompson Jr
TITLE: Geologist
SAMPLE ID NUMBER:
SAMPLING DEPTH:
COLLECTION METHOD: Grab
HOLE DIAMETER:
DEPTH:
WATER TABLE DEPTH:
(time measured:)
ANALYSIS REQUIRED:
FIELD SCREENING METHOD: PID

Strati-graphy	TIME	DEPTH	DESCRIPTION
	0'		
		Soil	Green - Grey coarse sand, no odor, shell inclusions, moist
	3'		

* = USCS classification; consistency of cohesive mat. or apparent density and grain size of noncohesive materials; moisture content (moist, wet saturated); color; depositional type; other)

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New Orleans, Louisiana 70114

SOIL SAMPLING LOG

Borehole B2

CLIENT: USACE FILE NUMBER: 3514 ACE
PROJECT NAME: DATE:
LOCATION:
SAMPLING PERSONNEL: Wendell J. Thompson Jr TITLE: Geologist
SAMPLE ID NUMBER: SAMPLING DEPTH:
COLLECTION METHOD: Grab HOLE DIAMETER: DEPTH:
WATER TABLE DEPTH: (time measured:)
ANALYSIS REQUIRED: FIELD SCREENING METHOD: PID

Strati-graphy	TIME	DEPTH	DESCRIPTION
	0	Soil	Green - Grey coarse sand, no odor, shell inclusions, moist
	3'		

* = USCS classification; consistency of cohesive mat. or apparent density and grain size of noncohesive materials; moisture content (moist, wet saturated); color; depositional type; other)

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New Orleans, Louisiana 70114

SOIL SAMPLING LOG

Borehole B3

CLIENT: USACE
FILE NUMBER: 3514ACE
PROJECT NAME:
DATE:
LOCATION:
SAMPLING PERSONNEL: Wendell J. Thompson Jr
TITLE: Geologist
SAMPLE ID NUMBER:
SAMPLING DEPTH:
COLLECTION METHOD: Grab
HOLE DIAMETER:
DEPTH:
WATER TABLE DEPTH:
(time measured:)
ANALYSIS REQUIRED:
FIELD SCREENING METHOD: PID

Strati-graphy	TIME	DEPTH	DESCRIPTION
	0'		
		Soil	Green - Grey coarse sand, no odor, shell inclusions, moist
	3'		

* = USCS classification; consistency of cohesive mat. or apparent density and grain size of noncohesive materials; moisture content (moist, wet saturated); color; depositional type; other)

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New Orleans, Louisiana 70114

SOIL SAMPLING LOG

Borehole B4

CLIENT: USACE
FILE NUMBER: 3514ACE
PROJECT NAME:
DATE:
LOCATION:
SAMPLING PERSONNEL: Wendell J. Thompson Jr
TITLE: Geologist
SAMPLE ID NUMBER:
SAMPLING DEPTH:
COLLECTION METHOD: Grab
HOLE DIAMETER:
DEPTH:
WATER TABLE DEPTH:
(time measured:)
ANALYSIS REQUIRED:
FIELD SCREENING METHOD: PID

Strati-graphy	TIME	DEPTH	DESCRIPTION
	0		
		Water	
	20'		
		Sand	Green - Grey Sand, coarse, no odor, Shell inclusions, well sorted, saturated.
	23'		

* = USCS classification; consistency of cohesive mat. or apparent density and grain size of noncohesive materials; moisture content (moist, wet saturated); color; depositional type; other)

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New Orleans, Louisiana 70114

SOIL SAMPLING LOG

Borehole B5

CLIENT: USACE
FILE NUMBER: 3514ACE
PROJECT NAME:
DATE:
LOCATION:
SAMPLING PERSONNEL: Wendell J. Thompson Jr
TITLE: Geologist
SAMPLE ID NUMBER:
SAMPLING DEPTH:
COLLECTION METHOD: Grab
HOLE DIAMETER:
DEPTH:
WATER TABLE DEPTH:
(time measured:)
ANALYSIS REQUIRED:
FIELD SCREENING METHOD: PID

Strati-graphy	TIME	DEPTH	DESCRIPTION
			No Recovery, too many shells. Borehole was tried 5 times to a depth of 20' each time.

* = USCS classification; consistency of cohesive mat. or apparent density and grain size of noncohesive materials; moisture content (moist, wet saturated); color; depositional type; other)

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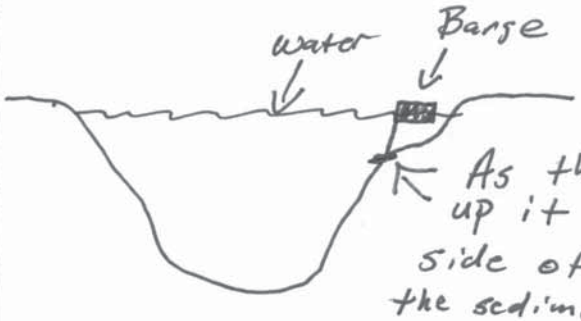
SOIL SAMPLING LOG

Borehole B 6

CLIENT: USACE
FILE NUMBER: 3514ALE
PROJECT NAME:
DATE:
LOCATION:
SAMPLING PERSONNEL: Wendell J. Thompson Jr
TITLE: Geologist
SAMPLE ID NUMBER:
SAMPLING DEPTH:
COLLECTION METHOD: Grab
HOLE DIAMETER:
DEPTH:
WATER TABLE DEPTH:
(time measured:)
ANALYSIS REQUIRED:
FIELD SCREENING METHOD: PID

Strati-graphy	TIME	DEPTH	DESCRIPTION
	0'		
		Water	
	30'		
	35'	Water Sand	Green - Grey sand, coarse, no odor, shell inclusions, well sorted, saturated

This sample was collected off the foot of the jack up barge. The barge must have been a sloped section of the channel.



As the foot was pulled up it scraped against the side of the channel and the sediment was deposited.

* = USCS classification; consistency of cohesive mat. or apparent density and grain size of noncohesive materials; moisture content (moist, wet saturated); color; depositional type; other)

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SOIL SAMPLING LOG

Borehole B7

CLIENT: USACE
FILE NUMBER: 3514ACE
PROJECT NAME:
DATE:
LOCATION:
SAMPLING PERSONNEL: Wendell J. Thompson Jr
TITLE: Geologist
SAMPLE ID NUMBER:
SAMPLING DEPTH:
COLLECTION METHOD: Grab
HOLE DIAMETER:
DEPTH:
WATER TABLE DEPTH:
(time measured:)
ANALYSIS REQUIRED:
FIELD SCREENING METHOD: PID

Strati-graphy	TIME	DEPTH	DESCRIPTION
	0'		
		Water	
	24'		
		Sand	Green - Grey Sand, coarse, no odor, Shell inclusions, well sorted, saturated
	27'		

* = USCS classification; consistency of cohesive mat. or apparent density and grain size of noncohesive materials; moisture content (moist, wet saturated); color; depositional type; other)

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New Orleans, Louisiana 70114

SOIL SAMPLING LOG

Borehole B8

CLIENT: USACE
FILE NUMBER: 3514 ACE
PROJECT NAME:
DATE:
LOCATION:
SAMPLING PERSONNEL: Wendell J. Thompson Jr
TITLE: Geologist
SAMPLE ID NUMBER:
SAMPLING DEPTH:
COLLECTION METHOD: Grab
HOLE DIAMETER:
DEPTH:
WATER TABLE DEPTH:
(time measured:)
ANALYSIS REQUIRED:
FIELD SCREENING METHOD: PID

Strati-graphy	TIME	DEPTH	DESCRIPTION
	0'		
		Water	
	25'		
		Sand	Green - Grey Sand, coarse, no odor, Shell inclusions, well sorted, saturated
	28'		

* = USCS classification; consistency of cohesive mat. or apparent density and grain size of noncohesive materials; moisture content (moist, wet saturated); color; depositional type; other)

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New Orleans, Louisiana 70114

SOIL SAMPLING LOG

Borehole B9

CLIENT: USACE
FILE NUMBER: 3514ACE
PROJECT NAME:
DATE:
LOCATION:
SAMPLING PERSONNEL: Wendell J. Thompson Jr
TITLE: Geologist
SAMPLE ID NUMBER:
SAMPLING DEPTH:
COLLECTION METHOD: Grab
HOLE DIAMETER:
DEPTH:
WATER TABLE DEPTH:
(time measured:)
ANALYSIS REQUIRED:
FIELD SCREENING METHOD: PID

Strati-graphy	TIME	DEPTH	DESCRIPTION
	0'		
		Water	
	20'		
		Sand	Green - Grey Sand, coarse, moodar, Shell inclusions, well sorted, saturated
	23'		

* = USCS classification; consistency of cohesive mat. or apparent density and grain size of noncohesive materials; moisture content (moist, wet saturated); color; depositional type; other)

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New Orleans, Louisiana 70114

SOIL SAMPLING LOG

Borehole B#10

CLIENT: USACE
FILE NUMBER: 3514ACE
PROJECT NAME:
DATE:
LOCATION:
SAMPLING PERSONNEL: Wendell J. Thompson Jr
TITLE: Geologist
SAMPLE ID NUMBER:
SAMPLING DEPTH:
COLLECTION METHOD: Grab
HOLE DIAMETER:
DEPTH:
WATER TABLE DEPTH:
(time measured:)
ANALYSIS REQUIRED:
FIELD SCREENING METHOD: PID

Strati-graphy	TIME	DEPTH	DESCRIPTION
	0'		
		Soil	Green-Grey coarse sand, no odor, shell inclusions, moist
	3'		

* = USCS classification; consistency of cohesive mat. or apparent density and grain size of noncohesive materials; moisture content (moist, wet saturated); color; depositional type; other)

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Materials Management Group, Inc.
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New Orleans, Louisiana 70114

SOIL SAMPLING LOG

Borehole B11

CLIENT: USACE
FILE NUMBER: 3514ACE
PROJECT NAME:
DATE:
LOCATION:
SAMPLING PERSONNEL: Wendell J. Thompson Jr
TITLE: Geologist
SAMPLE ID NUMBER:
SAMPLING DEPTH:
COLLECTION METHOD: Grab
HOLE DIAMETER:
DEPTH:
WATER TABLE DEPTH:
(time measured:)
ANALYSIS REQUIRED:
FIELD SCREENING METHOD: PID

Strati-graphy	TIME	DEPTH	DESCRIPTION
	0'		Green-Grey course sand, no odor, shell inclusions, moist
	3'		

* = USCS classification; consistency of cohesive mat. or apparent density and grain size of noncohesive materials; moisture content (moist, wet saturated); color; depositional type; other)

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New Orleans, Louisiana 70114

SOIL SAMPLING LOG

Borehole B12

CLIENT: _____ FILE NUMBER: _____
PROJECT NAME: _____ DATE: _____
LOCATION: _____
SAMPLING PERSONNEL: Wendell J. Thompson Jr TITLE: Geologist
SAMPLE ID NUMBER: _____ SAMPLING DEPTH: _____
COLLECTION METHOD: Grab HOLE DIAMETER: _____ DEPTH: _____
WATER TABLE DEPTH: _____ (time measured: _____)
ANALYSIS REQUIRED: _____ FIELD SCREENING METHOD: PID

Strati-graphy	TIME	DEPTH	DESCRIPTION
	0'		
		Soil	Green- Grey coarse sand, no odor, shell inclusions, moist
	3'		

* = USCS classification; consistency of cohesive mat. or apparent density and grain size of noncohesive materials; moisture content (moist, wet saturated); color; depositional type; other)

Appendix B: Final Analytical Reports

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

Case Narrative for:

MATERIALS MANAGEMENT GROUP, INC.

Certificate of Analysis Number:

09100232

Report To:		Project Name:	3514ACE PROPOSED SEABROOK GA
MATERIALS MANAGEMENT GROUP, INC.		Site:	SEABROOK BOAT LAUNCH
Karly Gibbs		Site Address:	4900 LAKESHORE DR
3520 GENERAL DEGAULLE DR.			NEW ORLEANS LA
SUITE 3010		PO Number:	3514ACE
NEW ORLEANS		State:	Louisiana
LA		State Cert. No.:	02048
70114-		Date Reported:	10/28/2009
ph: (504) 368-0568	fax:		

The soil samples submitted for Herbicides by method 8151 analysis were subcontracted to TestAmerica Nashville. The data as submitted by the sub-contract laboratory 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:
Total Metals by method 6020: Lab batch 83737-The sample randomly 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 Antimony, Copper, Lead, Nickel, Zinc 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.

Total Mercury by method 7471: Lab batch 83761-The sample randomly 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 Mercury 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 by method 8270D: Lab batch 83732-The recoveries of target analytes Bis(2-chloroethyl)ether and Hexachlorocyclopentadiene in the LCSD sample exceeded the upper laboratory control limits. The LCS/LCSD RPDs of several target analytes exceeded the laboratory control limits. The recoveries of target analytes 2,3,4,6-Tetrachlorophenol, 2,4,6-Trichlorophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chlorophenol, 2-Nitroaniline, 4-Nitrophenol, Aniline, Benzo(b)fluoranthene, Bis(2-chloroethyl)ether, Fluorene, and Isophorone in the MS and/or MSD samples exceeded the upper laboratory control limits. The recovery of target analyte Hexachlorocyclopentadiene in the MS sample exceeded the lower laboratory control limits. The MS/MSD RPDs of target analytes 2,3,4,6-Tetrachlorophenol, 2-Nitroaniline, 3-Nitroaniline,Dibenzofuran, and Fluorene exceeded the laboratory control limit.

10/28/2009

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

Case Narrative for:

MATERIALS MANAGEMENT GROUP, INC.

Certificate of Analysis Number:

09100232

Volatile Organics by method 8260B: Lab batch R217395-The recoveries of several target analytes in the MS and MSD samplese exceeded the lower laboratory control limits due to possible matrix interference. The MS/MSD RPDs of target analyte Hexachloroethane 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.

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

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

10/28/2009

Date

Amy K. Jackson
Project Manager

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:

09100232

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: 3514ACE PROPOSED SEABROOK GA
Site: SEABROOK BOAT LAUNCH
Site Address: 4900 LAKESHORE DR
NEW ORLEANS LA
PO Number: 3514ACE
State: Louisiana
State Cert. No.: 02048
Date Reported: 10/28/2009

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
S-3514ACE-B1-0-3	09100232-01	Soil	10/5/2009 11:45:00 AM	10/6/2009 9:45:00 AM	286166	☐
S-3514ACE-B1-0-3MS	09100232-01MS	Soil	10/5/2009 11:45:00 AM	10/6/2009 9:45:00 AM	286166	☐
S-3514ACE-B1-0-3MSD	09100232-01MSD	Soil	10/5/2009 11:45:00 AM	10/6/2009 9:45:00 AM	286166	☐
S-3514ACE-B2-0-3	09100232-02	Soil	10/5/2009 12:30:00 PM	10/6/2009 9:45:00 AM	286166	☐
S-3514ACE-B3-0-3	09100232-03	Soil	10/5/2009 12:45:00 PM	10/6/2009 9:45:00 AM	286166	☐
S-3514ACE-B10-0-3	09100232-04	Soil	10/5/2009 2:05:00 PM	10/6/2009 9:45:00 AM	286166	☐
S-3514ACE-B11-0-3	09100232-05	Soil	10/5/2009 2:10:00 PM	10/6/2009 9:45:00 AM	286166	☐
S-3514ACE-B12-0-3	09100232-06	Soil	10/5/2009 2:30:00 PM	10/6/2009 9:45:00 AM	286166	☐
W-3514ACE-TB-10-5-09	09100232-07	Water	10/5/2009 4:00:00 PM	10/6/2009 9:45:00 AM	286166	☐
WA-3514ACE-COMP1	09100232-08	Soil	10/5/2009 1:00:00 PM	10/6/2009 9:45:00 AM	286166	☐
WA-3514ACE-COMP4	09100232-09	Soil	10/5/2009 3:00:00 PM	10/6/2009 9:45:00 AM	286166	☐
W-3514ACE-FB-10-5-09	09100232-10	Water	10/5/2009 4:05:00 PM	10/6/2009 9:45:00 AM	286166	☐

10/28/2009
Date

Amy K. Jackson
Project Manager

Ron Benjamin
Laboratory Director

Tristan Davis
Quality Assurance Officer

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

Client Sample ID: S-3514ACE-B1-0-3 **Collected:** 10/05/2009 11:45 **SPL Sample ID:** 09100232-01

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL BY COLD VAPOR				**MCL**	**SW7471B**	**Units: mg/Kg**	
Mercury	1.68		0.1	1	10/07/09 9:24	PFB	3284857

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7471A	10/07/2009 7:00	PFB	1.00

METALS BY METHOD 6020 (ICP/MS), TOTAL				MCL	SW6020	Units: mg/Kg	
Antimony	ND		0.25	2.5	10/14/09 17:26	RJD	3295901
Arsenic	ND		2	5	10/08/09 15:22	RJD	3287709
Barium	282		5	5	10/08/09 15:22	RJD	3287709
Beryllium	0.604		0.5	2.5	10/14/09 17:26	RJD	3295901
Cadmium	ND		1	5	10/08/09 15:22	RJD	3287709
Chromium	6.6		2	5	10/08/09 15:22	RJD	3287709
Cobalt	2.36		0.5	2.5	10/14/09 17:26	RJD	3295901
Copper	12.5		0.5	2.5	10/14/09 17:26	RJD	3295901
Lead	19.6		0.5	5	10/08/09 15:22	RJD	3287709
Nickel	6.91		0.5	2.5	10/14/09 17:26	RJD	3295901
Selenium	ND		5	5	10/08/09 15:22	RJD	3287709
Silver	ND		0.5	5	10/08/09 15:22	RJD	3287709
Thallium	ND		5	2.5	10/14/09 17:26	RJD	3295901
Vanadium	8.05		2.5	2.5	10/14/09 17:26	RJD	3295901
Zinc	35.5		2.5	2.5	10/14/09 17:26	RJD	3295901

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	10/06/2009 13:15	SA	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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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

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Client Sample ID: S-3514ACE-B1-0-3 **Collected:** 10/05/2009 11:45 **SPL Sample ID:** 09100232-01

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ORGANOCHLORINE PESTICIDES BY METHOD 8081B - SOIL			**MCL**	**SW8081**	**Units: mg/Kg**		
4,4´-DDD	ND		0.017	10	10/09/09 9:43	LDD	3288774
4,4´-DDE	ND		0.017	10	10/09/09 9:43	LDD	3288774
4,4´-DDT	ND		0.017	10	10/09/09 9:43	LDD	3288774
Aldrin	ND		0.017	10	10/09/09 9:43	LDD	3288774
alpha-BHC	ND		0.017	10	10/09/09 9:43	LDD	3288774
alpha-Chlordane	ND		0.017	10	10/09/09 9:43	LDD	3288774
beta-BHC	ND		0.017	10	10/09/09 9:43	LDD	3288774
Chlordane	ND		0.067	10	10/09/09 9:43	LDD	3288774
delta-BHC	ND		0.017	10	10/09/09 9:43	LDD	3288774
Dieldrin	ND		0.017	10	10/09/09 9:43	LDD	3288774
Endosulfan I	ND		0.017	10	10/09/09 9:43	LDD	3288774
Endosulfan II	ND		0.017	10	10/09/09 9:43	LDD	3288774
Endosulfan sulfate	ND		0.017	10	10/09/09 9:43	LDD	3288774
Endrin	ND		0.017	10	10/09/09 9:43	LDD	3288774
Endrin aldehyde	ND		0.017	10	10/09/09 9:43	LDD	3288774
Endrin ketone	ND		0.017	10	10/09/09 9:43	LDD	3288774
gamma-BHC	ND		0.017	10	10/09/09 9:43	LDD	3288774
gamma-Chlordane	ND		0.017	10	10/09/09 9:43	LDD	3288774
Heptachlor	ND		0.017	10	10/09/09 9:43	LDD	3288774
Heptachlor epoxide	ND		0.017	10	10/09/09 9:43	LDD	3288774
Methoxychlor	ND		0.017	10	10/09/09 9:43	LDD	3288774
Toxaphene	ND		1.7	10	10/09/09 9:43	LDD	3288774
Surr: Decachlorobiphenyl	95.5	%	10-180	10	10/09/09 9:43	LDD	3288774
Surr: Tetrachloro-m-xylene	80.0	%	10-157	10	10/09/09 9:43	LDD	3288774

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 17:04	TCM	1.00

POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL			**MCL**	**SW8082**	**Units: mg/Kg**		
Aroclor 1016	ND		0.033	1	10/08/09 4:46	LDD	3287826
Aroclor 1221	ND		0.033	1	10/08/09 4:46	LDD	3287826
Aroclor 1232	ND		0.033	1	10/08/09 4:46	LDD	3287826
Aroclor 1242	ND		0.033	1	10/08/09 4:46	LDD	3287826
Aroclor 1248	ND		0.033	1	10/08/09 4:46	LDD	3287826
Aroclor 1254	ND		0.033	1	10/08/09 4:46	LDD	3287826
Aroclor 1260	ND		0.033	1	10/08/09 4:46	LDD	3287826
Surr: Decachlorobiphenyl	95.8	%	10-187	1	10/08/09 4:46	LDD	3287826
Surr: Tetrachloro-m-xylene	88.2	%	10-153	1	10/08/09 4:46	LDD	3287826

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Client Sample ID: S-3514ACE-B1-0-3 **Collected:** 10/05/2009 11:45 **SPL Sample ID:** 09100232-01

Site: **SEABROOK BOAT LAUNCH**

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

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 17:05	TCM	1.00

RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				MCL	SW8015C	Units: mg/Kg	
Diesel Range Organics (C10-C28)	27		10	1	10/09/09 1:52	E_G	3288836
Surr: o-Terphenyl	65.1	%	12-145	1	10/09/09 1:52	E_G	3288836

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 15:42	TCM	1.00

RECAP GASOLINE RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Gasoline Range Organics (C6-C10)	ND		5	50	10/06/09 18:40	KJ	3284114
Surr: 1,4-Difluorobenzene	95.4	%	56-151	50	10/06/09 18:40	KJ	3284114
Surr: 4-Bromofluorobenzene	113	%	55-148	50	10/06/09 18:40	KJ	3284114

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/06/2009 12:53	hbo	1.00

RECAP OIL RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Oil Range Organics (C28-C35)	20		10	1	10/09/09 1:52	E_G	3289010
Surr: o-Terphenyl	64.9	%	10-148	1	10/09/09 1:52	E_G	3289010

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 15:44	TCM	1.00

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Client Sample ID: S-3514ACE-B1-0-3 **Collected:** 10/05/2009 11:45 **SPL Sample ID:** 09100232-01

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP SEMIVOLATILE ORGANICS BY EPA 8270D				**MCL**		**SW8270D**	**Units: mg/Kg**	
1,1-Biphenyl	ND		1.6	190	5	10/07/09 22:38	KTK	3286509
1,2,4,5-Tetrachlorobenzene	ND		0.85	1.1	5	10/07/09 22:38	KTK	3286509
1,2,4-Trichlorobenzene	ND		0.85	14	5	10/07/09 22:38	KTK	3286509
1,3-Dinitrobenzene	ND		0.85	0.25	5	10/07/09 22:38	KTK	3286509
2,3,4,6-Tetrachlorophenol	ND		0.85	31	5	10/07/09 22:38	KTK	3286509
2,4,5-Trichlorophenol	ND		0.85	320	5	10/07/09 22:38	KTK	3286509
2,4,6-Trichlorophenol	ND		0.85	1.3	5	10/07/09 22:38	KTK	3286509
2,4-Dichlorophenol	ND		0.85	12	5	10/07/09 22:38	KTK	3286509
2,4-Dimethylphenol	ND		0.85	20	5	10/07/09 22:38	KTK	3286509
2,4-Dinitrophenol	ND		3.3	1.7	5	10/07/09 22:38	KTK	3286509
2,4-Dinitrotoluene	ND		0.85	1	5	10/07/09 22:38	KTK	3286509
2,6-Dinitrotoluene	ND		0.85	0.39	5	10/07/09 22:38	KTK	3286509
2-Chloronaphthalene	ND		0.85	370	5	10/07/09 22:38	KTK	3286509
2-Chlorophenol	ND		0.85	1.4	5	10/07/09 22:38	KTK	3286509
2-Methylnaphthalene	ND		0.85	1.7	5	10/07/09 22:38	KTK	3286509
2-Nitroaniline	ND		1.6	1.7	5	10/07/09 22:38	KTK	3286509
3,3´-Dichlorobenzidine	ND		0.85	0.9	5	10/07/09 22:38	KTK	3286509
3-Nitroaniline	ND		1.6	1.7	5	10/07/09 22:38	KTK	3286509
4-Chloroaniline	ND		0.85	1.5	5	10/07/09 22:38	KTK	3286509
4-Nitroaniline	ND		1.6	1.7	5	10/07/09 22:38	KTK	3286509
4-Nitrophenol	ND		3.3	2.6	5	10/07/09 22:38	KTK	3286509
Acenaphthene	ND		0.85	220	5	10/07/09 22:38	KTK	3286509
Acenaphthylene	ND		0.85	88	5	10/07/09 22:38	KTK	3286509
Aniline	ND		0.32	0.065	5	10/07/09 22:38	KTK	3286509
Anthracene	ND		0.85	120	5	10/07/09 22:38	KTK	3286509
Benz(a)anthracene	ND		0.85	330	5	10/07/09 22:38	KTK	3286509
Benzo(a)pyrene	ND		0.85	0.33	5	10/07/09 22:38	KTK	3286509
Benzo(b)fluoranthene	ND		0.85	0.62	5	10/07/09 22:38	KTK	3286509
Benzo(k)fluoranthene	ND		0.85	6.2	5	10/07/09 22:38	KTK	3286509
Bis(2-chloroethyl)ether	ND		0.85	0.33	5	10/07/09 22:38	KTK	3286509
Bis(2-chloroisopropyl)ether	ND		0.85	0.8	5	10/07/09 22:38	KTK	3286509
Bis(2-ethylhexyl)phthalate	ND		0.85	32	5	10/07/09 22:38	KTK	3286509
Butyl benzyl phthalate	ND		0.85	220	5	10/07/09 22:38	KTK	3286509
Chrysene	ND		0.85	62	5	10/07/09 22:38	KTK	3286509
Dibenz(a,h)anthracene	ND		0.85	0.33	5	10/07/09 22:38	KTK	3286509
Dibenzofuran	ND		0.85	21	5	10/07/09 22:38	KTK	3286509
Diethyl phthalate	ND		0.85	360	5	10/07/09 22:38	KTK	3286509
Dimethyl phthalate	ND		0.85	1500	5	10/07/09 22:38	KTK	3286509
Di-n-octyl phthalate	ND		0.85	110	5	10/07/09 22:38	KTK	3286509

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Client Sample ID: S-3514ACE-B1-0-3 **Collected:** 10/05/2009 11:45 **SPL Sample ID:** 09100232-01

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
Fluoranthene	ND			0.85	220	5	10/07/09 22:38	KTK	3286509
Fluorene	ND			0.85	230	5	10/07/09 22:38	KTK	3286509
Hexachlorobenzene	ND			0.85	0.33	5	10/07/09 22:38	KTK	3286509
Hexachlorobutadiene	ND			0.85	0.77	5	10/07/09 22:38	KTK	3286509
Hexachlorocyclopentadiene	ND			1.6	0.51	5	10/07/09 22:38	KTK	3286509
Indeno(1,2,3-cd)pyrene	ND			0.85	0.62	5	10/07/09 22:38	KTK	3286509
Isophorone	ND			0.85	0.56	5	10/07/09 22:38	KTK	3286509
Naphthalene	ND			0.85	1.5	5	10/07/09 22:38	KTK	3286509
Nitrobenzene	ND			0.85	0.33	5	10/07/09 22:38	KTK	3286509
N-Nitrosodi-n-propylamine	ND			0.85	0.33	5	10/07/09 22:38	KTK	3286509
N-Nitrosodiphenylamine	ND			0.85	2.1	5	10/07/09 22:38	KTK	3286509
Pentachlorophenol	ND			3.3	1.7	5	10/07/09 22:38	KTK	3286509
Phenanthrene	ND			0.85	660	5	10/07/09 22:38	KTK	3286509
Phenol	ND			0.85	22	5	10/07/09 22:38	KTK	3286509
Pyrene	ND			0.85	230	5	10/07/09 22:38	KTK	3286509
Surr: 2,4,6-Tribromophenol	110		%	10-170		5	10/07/09 22:38	KTK	3286509
Surr: 2-Fluorobiphenyl	95.6		%	35-116		5	10/07/09 22:38	KTK	3286509
Surr: 2-Fluorophenol	96.6		%	16-139		5	10/07/09 22:38	KTK	3286509
Surr: 4-Terphenyl-d14	91.0		%	30-145		5	10/07/09 22:38	KTK	3286509
Surr: Nitrobenzene-d5	92.3		%	10-152		5	10/07/09 22:38	KTK	3286509
Surr: Phenol-d5	121		%	17-151		5	10/07/09 22:38	KTK	3286509

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 13:08	TCM	1.00

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Site: **SEABROOK BOAT LAUNCH**

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		0.0044	2.7	1	10/06/09 19:14	MCB	3284354
1,1,1-Trichloroethane	ND		0.0044	4	1	10/06/09 19:14	MCB	3284354
1,1,2,2-Tetrachloroethane	ND		0.0018	0.006	1	10/06/09 19:14	MCB	3284354
1,1,2-Trichloroethane	ND		0.0044	0.058	1	10/06/09 19:14	MCB	3284354
1,1-Dichloroethane	ND		0.0044	7.5	1	10/06/09 19:14	MCB	3284354
1,1-Dichloroethene	ND		0.0044	0.085	1	10/06/09 19:14	MCB	3284354
1,2-Dibromo-3-chloropropane	ND		0.0026	0.01	1	10/06/09 19:14	MCB	3284354
1,2-Dichlorobenzene	ND		0.0044	18	1	10/06/09 19:14	MCB	3284354
1,2-Dichloroethane	ND		0.0044	0.035	1	10/06/09 19:14	MCB	3284354
1,2-Dichloropropane	ND		0.0044	0.042	1	10/06/09 19:14	MCB	3284354
1,3-Dichlorobenzene	ND		0.0044	2.3	1	10/06/09 19:14	MCB	3284354
1,4-Dichlorobenzene	ND		0.0044	5.7	1	10/06/09 19:14	MCB	3284354
2-Butanone	ND		0.018	5	1	10/06/09 19:14	MCB	3284354
4-Methyl-2-pentanone	ND		0.0088	0.45	1	10/06/09 19:14	MCB	3284354
Acetone	ND		0.088	1.5	1	10/06/09 19:14	MCB	3284354
Benzene	ND		0.0044	0.051	1	10/06/09 19:14	MCB	3284354
Bromodichloromethane	ND		0.0044	0.92	1	10/06/09 19:14	MCB	3284354
Bromoform	ND		0.0044	1.8	1	10/06/09 19:14	MCB	3284354
Bromomethane	ND		0.0088	0.035	1	10/06/09 19:14	MCB	3284354
Carbon disulfide	ND		0.0044	11	1	10/06/09 19:14	MCB	3284354
Carbon tetrachloride	ND		0.0044	0.11	1	10/06/09 19:14	MCB	3284354
Chlorobenzene	ND		0.0044	3	1	10/06/09 19:14	MCB	3284354
Chloroethane	ND		0.0044	0.013	1	10/06/09 19:14	MCB	3284354
Chloroform	ND		0.0044	0.046	1	10/06/09 19:14	MCB	3284354
Chloromethane	ND		0.0088	0.1	1	10/06/09 19:14	MCB	3284354
Dibromochloromethane	ND		0.0044	1	1	10/06/09 19:14	MCB	3284354
Ethylbenzene	ND		0.0044	19	1	10/06/09 19:14	MCB	3284354
Hexachloroethane	ND		0.0044	0.17	1	10/06/09 19:14	MCB	3284354
Isobutyl alcohol	ND		0.088	30	1	10/06/09 19:14	MCB	3284354
Methyl tert-butyl ether	ND		0.0044	0.077	1	10/06/09 19:14	MCB	3284354
Methylene chloride	ND		0.0088	0.017	1	10/06/09 19:14	MCB	3284354
Styrene	ND		0.0044	11	1	10/06/09 19:14	MCB	3284354
Tetrachloroethene	ND		0.0044	0.18	1	10/06/09 19:14	MCB	3284354
Toluene	ND		0.0044	20	1	10/06/09 19:14	MCB	3284354
Trichloroethene	ND		0.0044	0.073	1	10/06/09 19:14	MCB	3284354
Trichlorofluoromethane	ND		0.0044	37	1	10/06/09 19:14	MCB	3284354
Vinyl chloride	ND		0.0044	0.013	1	10/06/09 19:14	MCB	3284354
cis-1,3-Dichloropropene	ND		0.0044	0.04	1	10/06/09 19:14	MCB	3284354
trans-1,3-Dichloropropene	ND		0.0044	0.04	1	10/06/09 19:14	MCB	3284354

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

Client Sample ID: S-3514ACE-B1-0-3 **Collected:** 10/05/2009 11:45 **SPL Sample ID:** 09100232-01

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.0044	0.49	1	10/06/09 19:14	MCB	3284354
trans-1,2-Dichloroethene	ND			0.0044	0.77	1	10/06/09 19:14	MCB	3284354
m,p-Xylene	ND			0.0044	150	1	10/06/09 19:14	MCB	3284354
o-Xylene	ND			0.0044	150	1	10/06/09 19:14	MCB	3284354
1,3-Dichloropropene,Total	ND			0.0044	0.04	1	10/06/09 19:14	MCB	3284354
1,2-Dichloroethene (total)	ND			0.0044	0.49	1	10/06/09 19:14	MCB	3284354
Xylenes,Total	ND			0.0044	150	1	10/06/09 19:14	MCB	3284354
Surr: 1,2-Dichloroethane-d4	96.6		%	50-166		1	10/06/09 19:14	MCB	3284354
Surr: 4-Bromofluorobenzene	98.7		%	79-123		1	10/06/09 19:14	MCB	3284354
Surr: Toluene-d8	98.7		%	62-146		1	10/06/09 19:14	MCB	3284354

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/06/2009 12:52	hbo	0.88

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Client Sample ID: S-3514ACE-B2-0-3 **Collected:** 10/05/2009 12:30 **SPL Sample ID:** 09100232-02

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL BY COLD VAPOR				**MCL**	**SW7471B**	**Units: mg/Kg**	
Mercury	ND		0.1	1	10/07/09 9:40	PFB	3284861

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7471A	10/07/2009 7:00	PFB	1.00

METALS BY METHOD 6020 (ICP/MS), TOTAL				MCL	SW6020	Units: mg/Kg	
Antimony	ND		0.25	2.5	10/14/09 18:04	RJD	3295909
Arsenic	5.65		2	5	10/08/09 15:49	RJD	3287721
Barium	1090		5	5	10/08/09 15:49	RJD	3287721
Beryllium	0.553		0.5	2.5	10/14/09 18:04	RJD	3295909
Cadmium	ND		1	5	10/08/09 15:49	RJD	3287721
Chromium	3.92		2	5	10/08/09 15:49	RJD	3287721
Cobalt	2.46		0.5	2.5	10/14/09 18:04	RJD	3295909
Copper	10.4		0.5	2.5	10/14/09 18:04	RJD	3295909
Lead	39.8		0.5	5	10/08/09 15:49	RJD	3287721
Nickel	4.9		0.5	2.5	10/14/09 18:04	RJD	3295909
Selenium	ND		5	5	10/08/09 15:49	RJD	3287721
Silver	ND		0.5	5	10/08/09 15:49	RJD	3287721
Thallium	ND		5	2.5	10/14/09 18:04	RJD	3295909
Vanadium	6.37		2.5	2.5	10/14/09 18:04	RJD	3295909
Zinc	70.5		2.5	2.5	10/14/09 18:04	RJD	3295909

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	10/06/2009 13:15	SA	1.00

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Client Sample ID: S-3514ACE-B2-0-3 **Collected:** 10/05/2009 12:30 **SPL Sample ID:** 09100232-02

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ORGANOCHLORINE PESTICIDES BY METHOD 8081B - SOIL			**MCL**	**SW8081**	**Units: mg/Kg**		
4,4´-DDD	ND		0.0017	1	10/09/09 12:58	LDD	3289691
4,4´-DDE	ND		0.0017	1	10/09/09 12:58	LDD	3289691
4,4´-DDT	ND		0.0017	1	10/09/09 12:58	LDD	3289691
Aldrin	ND		0.0017	1	10/09/09 12:58	LDD	3289691
alpha-BHC	ND		0.0017	1	10/09/09 12:58	LDD	3289691
alpha-Chlordane	ND		0.0017	1	10/09/09 12:58	LDD	3289691
beta-BHC	ND		0.0017	1	10/09/09 12:58	LDD	3289691
Chlordane	ND		0.0067	1	10/09/09 12:58	LDD	3289691
delta-BHC	ND		0.0017	1	10/09/09 12:58	LDD	3289691
Dieldrin	ND		0.0017	1	10/09/09 12:58	LDD	3289691
Endosulfan I	ND		0.0017	1	10/09/09 12:58	LDD	3289691
Endosulfan II	ND		0.0017	1	10/09/09 12:58	LDD	3289691
Endosulfan sulfate	ND		0.0017	1	10/09/09 12:58	LDD	3289691
Endrin	ND		0.0017	1	10/09/09 12:58	LDD	3289691
Endrin aldehyde	ND		0.0017	1	10/09/09 12:58	LDD	3289691
Endrin ketone	ND		0.0017	1	10/09/09 12:58	LDD	3289691
gamma-BHC	ND		0.0017	1	10/09/09 12:58	LDD	3289691
gamma-Chlordane	ND		0.0017	1	10/09/09 12:58	LDD	3289691
Heptachlor	ND		0.0017	1	10/09/09 12:58	LDD	3289691
Heptachlor epoxide	ND		0.0017	1	10/09/09 12:58	LDD	3289691
Methoxychlor	ND		0.0017	1	10/09/09 12:58	LDD	3289691
Toxaphene	ND		0.17	1	10/09/09 12:58	LDD	3289691
Surr: Decachlorobiphenyl	88.5	%	10-180	1	10/09/09 12:58	LDD	3289691
Surr: Tetrachloro-m-xylene	93.3	%	10-157	1	10/09/09 12:58	LDD	3289691

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 17:04	TCM	1.00

POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL			**MCL**	**SW8082**	**Units: mg/Kg**		
Aroclor 1016	ND		0.033	1	10/08/09 5:45	LDD	3287829
Aroclor 1221	ND		0.033	1	10/08/09 5:45	LDD	3287829
Aroclor 1232	ND		0.033	1	10/08/09 5:45	LDD	3287829
Aroclor 1242	ND		0.033	1	10/08/09 5:45	LDD	3287829
Aroclor 1248	ND		0.033	1	10/08/09 5:45	LDD	3287829
Aroclor 1254	ND		0.033	1	10/08/09 5:45	LDD	3287829
Aroclor 1260	ND		0.033	1	10/08/09 5:45	LDD	3287829
Surr: Decachlorobiphenyl	102	%	10-187	1	10/08/09 5:45	LDD	3287829
Surr: Tetrachloro-m-xylene	93.9	%	10-153	1	10/08/09 5:45	LDD	3287829

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Client Sample ID: S-3514ACE-B2-0-3 **Collected:** 10/05/2009 12:30 **SPL Sample ID:** 09100232-02

Site: **SEABROOK BOAT LAUNCH**

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

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 17:05	TCM	1.00

RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				MCL	SW8015C	Units: mg/Kg	
Diesel Range Organics (C10-C28)	ND		10	1	10/09/09 2:11	E_G	3288837
Surr: o-Terphenyl	71.4	%	12-145	1	10/09/09 2:11	E_G	3288837

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 15:42	TCM	1.00

RECAP GASOLINE RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Gasoline Range Organics (C6-C10)	ND		5.1	50	10/06/09 20:52	KJ	3284118
Surr: 1,4-Difluorobenzene	97.0	%	56-151	50	10/06/09 20:52	KJ	3284118
Surr: 4-Bromofluorobenzene	114	%	55-148	50	10/06/09 20:52	KJ	3284118

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/06/2009 12:50	hbo	1.02

RECAP OIL RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Oil Range Organics (C28-C35)	ND		10	1	10/09/09 2:11	E_G	3289011
Surr: o-Terphenyl	71.3	%	10-148	1	10/09/09 2:11	E_G	3289011

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 15:44	TCM	1.00

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Client Sample ID: S-3514ACE-B2-0-3 **Collected:** 10/05/2009 12:30 **SPL Sample ID:** 09100232-02

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP SEMIVOLATILE ORGANICS BY EPA 8270D				**MCL**		**SW8270D**	**Units: mg/Kg**	
1,1-Biphenyl	ND		1.6	190	5	10/07/09 23:52	KTK	3286512
1,2,4,5-Tetrachlorobenzene	ND		0.85	1.1	5	10/07/09 23:52	KTK	3286512
1,2,4-Trichlorobenzene	ND		0.85	14	5	10/07/09 23:52	KTK	3286512
1,3-Dinitrobenzene	ND		0.85	0.25	5	10/07/09 23:52	KTK	3286512
2,3,4,6-Tetrachlorophenol	ND		0.85	31	5	10/07/09 23:52	KTK	3286512
2,4,5-Trichlorophenol	ND		0.85	320	5	10/07/09 23:52	KTK	3286512
2,4,6-Trichlorophenol	ND		0.85	1.3	5	10/07/09 23:52	KTK	3286512
2,4-Dichlorophenol	ND		0.85	12	5	10/07/09 23:52	KTK	3286512
2,4-Dimethylphenol	ND		0.85	20	5	10/07/09 23:52	KTK	3286512
2,4-Dinitrophenol	ND		3.3	1.7	5	10/07/09 23:52	KTK	3286512
2,4-Dinitrotoluene	ND		0.85	1	5	10/07/09 23:52	KTK	3286512
2,6-Dinitrotoluene	ND		0.85	0.39	5	10/07/09 23:52	KTK	3286512
2-Chloronaphthalene	ND		0.85	370	5	10/07/09 23:52	KTK	3286512
2-Chlorophenol	ND		0.85	1.4	5	10/07/09 23:52	KTK	3286512
2-Methylnaphthalene	ND		0.85	1.7	5	10/07/09 23:52	KTK	3286512
2-Nitroaniline	ND		1.6	1.7	5	10/07/09 23:52	KTK	3286512
3,3´-Dichlorobenzidine	ND		0.85	0.9	5	10/07/09 23:52	KTK	3286512
3-Nitroaniline	ND		1.6	1.7	5	10/07/09 23:52	KTK	3286512
4-Chloroaniline	ND		0.85	1.5	5	10/07/09 23:52	KTK	3286512
4-Nitroaniline	ND		1.6	1.7	5	10/07/09 23:52	KTK	3286512
4-Nitrophenol	ND		3.3	2.6	5	10/07/09 23:52	KTK	3286512
Acenaphthene	ND		0.85	220	5	10/07/09 23:52	KTK	3286512
Acenaphthylene	ND		0.85	88	5	10/07/09 23:52	KTK	3286512
Aniline	ND		0.32	0.065	5	10/07/09 23:52	KTK	3286512
Anthracene	ND		0.85	120	5	10/07/09 23:52	KTK	3286512
Benz(a)anthracene	ND		0.85	330	5	10/07/09 23:52	KTK	3286512
Benzo(a)pyrene	ND		0.85	0.33	5	10/07/09 23:52	KTK	3286512
Benzo(b)fluoranthene	ND		0.85	0.62	5	10/07/09 23:52	KTK	3286512
Benzo(k)fluoranthene	ND		0.85	6.2	5	10/07/09 23:52	KTK	3286512
Bis(2-chloroethyl)ether	ND		0.85	0.33	5	10/07/09 23:52	KTK	3286512
Bis(2-chloroisopropyl)ether	ND		0.85	0.8	5	10/07/09 23:52	KTK	3286512
Bis(2-ethylhexyl)phthalate	ND		0.85	32	5	10/07/09 23:52	KTK	3286512
Butyl benzyl phthalate	ND		0.85	220	5	10/07/09 23:52	KTK	3286512
Chrysene	ND		0.85	62	5	10/07/09 23:52	KTK	3286512
Dibenz(a,h)anthracene	ND		0.85	0.33	5	10/07/09 23:52	KTK	3286512
Dibenzofuran	ND		0.85	21	5	10/07/09 23:52	KTK	3286512
Diethyl phthalate	ND		0.85	360	5	10/07/09 23:52	KTK	3286512
Dimethyl phthalate	ND		0.85	1500	5	10/07/09 23:52	KTK	3286512
Di-n-octyl phthalate	ND		0.85	110	5	10/07/09 23:52	KTK	3286512

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Client Sample ID: S-3514ACE-B2-0-3 **Collected:** 10/05/2009 12:30 **SPL Sample ID:** 09100232-02

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
Fluoranthene	ND			0.85	220	5	10/07/09 23:52	KTK	3286512
Fluorene	ND			0.85	230	5	10/07/09 23:52	KTK	3286512
Hexachlorobenzene	ND			0.85	0.33	5	10/07/09 23:52	KTK	3286512
Hexachlorobutadiene	ND			0.85	0.77	5	10/07/09 23:52	KTK	3286512
Hexachlorocyclopentadiene	ND			1.6	0.51	5	10/07/09 23:52	KTK	3286512
Indeno(1,2,3-cd)pyrene	ND			0.85	0.62	5	10/07/09 23:52	KTK	3286512
Isophorone	ND			0.85	0.56	5	10/07/09 23:52	KTK	3286512
Naphthalene	ND			0.85	1.5	5	10/07/09 23:52	KTK	3286512
Nitrobenzene	ND			0.85	0.33	5	10/07/09 23:52	KTK	3286512
N-Nitrosodi-n-propylamine	ND			0.85	0.33	5	10/07/09 23:52	KTK	3286512
N-Nitrosodiphenylamine	ND			0.85	2.1	5	10/07/09 23:52	KTK	3286512
Pentachlorophenol	ND			3.3	1.7	5	10/07/09 23:52	KTK	3286512
Phenanthrene	ND			0.85	660	5	10/07/09 23:52	KTK	3286512
Phenol	ND			0.85	22	5	10/07/09 23:52	KTK	3286512
Pyrene	ND			0.85	230	5	10/07/09 23:52	KTK	3286512
Surr: 2,4,6-Tribromophenol	107		%	10-170		5	10/07/09 23:52	KTK	3286512
Surr: 2-Fluorobiphenyl	91.9		%	35-116		5	10/07/09 23:52	KTK	3286512
Surr: 2-Fluorophenol	101		%	16-139		5	10/07/09 23:52	KTK	3286512
Surr: 4-Terphenyl-d14	88.5		%	30-145		5	10/07/09 23:52	KTK	3286512
Surr: Nitrobenzene-d5	92.4		%	10-152		5	10/07/09 23:52	KTK	3286512
Surr: Phenol-d5	120		%	17-151		5	10/07/09 23:52	KTK	3286512

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 13:08	TCM	1.00

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Client Sample ID: S-3514ACE-B2-0-3 **Collected:** 10/05/2009 12:30 **SPL Sample ID:** 09100232-02

Site: **SEABROOK BOAT LAUNCH**

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	10/06/09 16:53	MCB	3284349
1,1,1-Trichloroethane	ND		0.0049	4	1	10/06/09 16:53	MCB	3284349
1,1,2,2-Tetrachloroethane	ND		0.002	0.006	1	10/06/09 16:53	MCB	3284349
1,1,2-Trichloroethane	ND		0.0049	0.058	1	10/06/09 16:53	MCB	3284349
1,1-Dichloroethane	ND		0.0049	7.5	1	10/06/09 16:53	MCB	3284349
1,1-Dichloroethene	ND		0.0049	0.085	1	10/06/09 16:53	MCB	3284349
1,2-Dibromo-3-chloropropane	ND		0.0029	0.01	1	10/06/09 16:53	MCB	3284349
1,2-Dichlorobenzene	ND		0.0049	18	1	10/06/09 16:53	MCB	3284349
1,2-Dichloroethane	ND		0.0049	0.035	1	10/06/09 16:53	MCB	3284349
1,2-Dichloropropane	ND		0.0049	0.042	1	10/06/09 16:53	MCB	3284349
1,3-Dichlorobenzene	ND		0.0049	2.3	1	10/06/09 16:53	MCB	3284349
1,4-Dichlorobenzene	ND		0.0049	5.7	1	10/06/09 16:53	MCB	3284349
2-Butanone	ND		0.02	5	1	10/06/09 16:53	MCB	3284349
4-Methyl-2-pentanone	ND		0.0098	0.45	1	10/06/09 16:53	MCB	3284349
Acetone	ND		0.098	1.5	1	10/06/09 16:53	MCB	3284349
Benzene	ND		0.0049	0.051	1	10/06/09 16:53	MCB	3284349
Bromodichloromethane	ND		0.0049	0.92	1	10/06/09 16:53	MCB	3284349
Bromoform	ND		0.0049	1.8	1	10/06/09 16:53	MCB	3284349
Bromomethane	ND		0.0098	0.035	1	10/06/09 16:53	MCB	3284349
Carbon disulfide	ND		0.0049	11	1	10/06/09 16:53	MCB	3284349
Carbon tetrachloride	ND		0.0049	0.11	1	10/06/09 16:53	MCB	3284349
Chlorobenzene	ND		0.0049	3	1	10/06/09 16:53	MCB	3284349
Chloroethane	ND		0.0049	0.013	1	10/06/09 16:53	MCB	3284349
Chloroform	ND		0.0049	0.046	1	10/06/09 16:53	MCB	3284349
Chloromethane	ND		0.0098	0.1	1	10/06/09 16:53	MCB	3284349
Dibromochloromethane	ND		0.0049	1	1	10/06/09 16:53	MCB	3284349
Ethylbenzene	ND		0.0049	19	1	10/06/09 16:53	MCB	3284349
Hexachloroethane	ND		0.0049	0.17	1	10/06/09 16:53	MCB	3284349
Isobutyl alcohol	ND		0.098	30	1	10/06/09 16:53	MCB	3284349
Methyl tert-butyl ether	ND		0.0049	0.077	1	10/06/09 16:53	MCB	3284349
Methylene chloride	ND		0.0098	0.017	1	10/06/09 16:53	MCB	3284349
Styrene	ND		0.0049	11	1	10/06/09 16:53	MCB	3284349
Tetrachloroethene	ND		0.0049	0.18	1	10/06/09 16:53	MCB	3284349
Toluene	ND		0.0049	20	1	10/06/09 16:53	MCB	3284349
Trichloroethene	ND		0.0049	0.073	1	10/06/09 16:53	MCB	3284349
Trichlorofluoromethane	ND		0.0049	37	1	10/06/09 16:53	MCB	3284349
Vinyl chloride	ND		0.0049	0.013	1	10/06/09 16:53	MCB	3284349
cis-1,3-Dichloropropene	ND		0.0049	0.04	1	10/06/09 16:53	MCB	3284349
trans-1,3-Dichloropropene	ND		0.0049	0.04	1	10/06/09 16:53	MCB	3284349

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J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
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LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: S-3514ACE-B2-0-3 **Collected:** 10/05/2009 12:30 **SPL Sample ID:** 09100232-02

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.0049	0.49	1	10/06/09 16:53	MCB	3284349
trans-1,2-Dichloroethene	ND			0.0049	0.77	1	10/06/09 16:53	MCB	3284349
m,p-Xylene	ND			0.0049	150	1	10/06/09 16:53	MCB	3284349
o-Xylene	ND			0.0049	150	1	10/06/09 16:53	MCB	3284349
1,3-Dichloropropene,Total	ND			0.0049	0.04	1	10/06/09 16:53	MCB	3284349
1,2-Dichloroethene (total)	ND			0.0049	0.49	1	10/06/09 16:53	MCB	3284349
Xylenes,Total	ND			0.0049	150	1	10/06/09 16:53	MCB	3284349
Surr: 1,2-Dichloroethane-d4	92.7		%	50-166		1	10/06/09 16:53	MCB	3284349
Surr: 4-Bromofluorobenzene	92.6		%	79-123		1	10/06/09 16:53	MCB	3284349
Surr: Toluene-d8	98.0		%	62-146		1	10/06/09 16:53	MCB	3284349

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/06/2009 12:50	hbo	0.98

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SCOTT, LA 70583
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Client Sample ID: S-3514ACE-B3-0-3 **Collected:** 10/05/2009 12:45 **SPL Sample ID:** 09100232-03

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL BY COLD VAPOR				**MCL**	**SW7471B**	**Units: mg/Kg**	
Mercury	ND		0.1	1	10/07/09 9:45	PFB	3284862

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7471A	10/07/2009 7:00	PFB	1.00

METALS BY METHOD 6020 (ICP/MS), TOTAL				MCL	SW6020	Units: mg/Kg	
Antimony	ND		0.25	2.5	10/14/09 18:06	RJD	3295910
Arsenic	ND		2	5	10/08/09 15:51	RJD	3287722
Barium	39.4		5	5	10/08/09 15:51	RJD	3287722
Beryllium	ND		0.5	2.5	10/14/09 18:06	RJD	3295910
Cadmium	ND		1	5	10/08/09 15:51	RJD	3287722
Chromium	2.89		2	5	10/08/09 15:51	RJD	3287722
Cobalt	1.01		0.5	2.5	10/14/09 18:06	RJD	3295910
Copper	7.05		0.5	2.5	10/14/09 18:06	RJD	3295910
Lead	33.9		0.5	5	10/08/09 15:51	RJD	3287722
Nickel	3		0.5	2.5	10/14/09 18:06	RJD	3295910
Selenium	ND		5	5	10/08/09 15:51	RJD	3287722
Silver	ND		0.5	5	10/08/09 15:51	RJD	3287722
Thallium	ND		5	2.5	10/14/09 18:06	RJD	3295910
Vanadium	4.49		2.5	2.5	10/14/09 18:06	RJD	3295910
Zinc	36.6		2.5	2.5	10/14/09 18:06	RJD	3295910

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	10/06/2009 13:15	SA	1.00

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Client Sample ID: S-3514ACE-B3-0-3 **Collected:** 10/05/2009 12:45 **SPL Sample ID:** 09100232-03

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ORGANOCHLORINE PESTICIDES BY METHOD 8081B - SOIL			**MCL**	**SW8081**	**Units: mg/Kg**		
4,4´-DDD	ND		0.017	10	10/09/09 10:33	LDD	3288776
4,4´-DDE	ND		0.017	10	10/09/09 10:33	LDD	3288776
4,4´-DDT	ND		0.017	10	10/09/09 10:33	LDD	3288776
Aldrin	ND		0.017	10	10/09/09 10:33	LDD	3288776
alpha-BHC	ND		0.017	10	10/09/09 10:33	LDD	3288776
alpha-Chlordane	ND		0.017	10	10/09/09 10:33	LDD	3288776
beta-BHC	ND		0.017	10	10/09/09 10:33	LDD	3288776
Chlordane	ND		0.067	10	10/09/09 10:33	LDD	3288776
delta-BHC	ND		0.017	10	10/09/09 10:33	LDD	3288776
Dieldrin	ND		0.017	10	10/09/09 10:33	LDD	3288776
Endosulfan I	ND		0.017	10	10/09/09 10:33	LDD	3288776
Endosulfan II	ND		0.017	10	10/09/09 10:33	LDD	3288776
Endosulfan sulfate	ND		0.017	10	10/09/09 10:33	LDD	3288776
Endrin	ND		0.017	10	10/09/09 10:33	LDD	3288776
Endrin aldehyde	ND		0.017	10	10/09/09 10:33	LDD	3288776
Endrin ketone	ND		0.017	10	10/09/09 10:33	LDD	3288776
gamma-BHC	ND		0.017	10	10/09/09 10:33	LDD	3288776
gamma-Chlordane	ND		0.017	10	10/09/09 10:33	LDD	3288776
Heptachlor	ND		0.017	10	10/09/09 10:33	LDD	3288776
Heptachlor epoxide	ND		0.017	10	10/09/09 10:33	LDD	3288776
Methoxychlor	ND		0.017	10	10/09/09 10:33	LDD	3288776
Toxaphene	ND		1.7	10	10/09/09 10:33	LDD	3288776
Surr: Decachlorobiphenyl	102	%	10-180	10	10/09/09 10:33	LDD	3288776
Surr: Tetrachloro-m-xylene	95.1	%	10-157	10	10/09/09 10:33	LDD	3288776

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 17:04	TCM	1.00

POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL			**MCL**	**SW8082**	**Units: mg/Kg**		
Aroclor 1016	ND		0.033	1	10/08/09 6:05	LDD	3287830
Aroclor 1221	ND		0.033	1	10/08/09 6:05	LDD	3287830
Aroclor 1232	ND		0.033	1	10/08/09 6:05	LDD	3287830
Aroclor 1242	ND		0.033	1	10/08/09 6:05	LDD	3287830
Aroclor 1248	ND		0.033	1	10/08/09 6:05	LDD	3287830
Aroclor 1254	ND		0.033	1	10/08/09 6:05	LDD	3287830
Aroclor 1260	ND		0.033	1	10/08/09 6:05	LDD	3287830
Surr: Decachlorobiphenyl	97.0	%	10-187	1	10/08/09 6:05	LDD	3287830
Surr: Tetrachloro-m-xylene	102	%	10-153	1	10/08/09 6:05	LDD	3287830

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(337) 237-4775

Client Sample ID: S-3514ACE-B3-0-3 **Collected:** 10/05/2009 12:45 **SPL Sample ID:** 09100232-03

Site: **SEABROOK BOAT LAUNCH**

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

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 17:05	TCM	1.00

RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				MCL	SW8015C	Units: mg/Kg	
Diesel Range Organics (C10-C28)	ND		10	1	10/08/09 23:16	E_G	3288833
Surr: o-Terphenyl	81.0	%	12-145	1	10/08/09 23:16	E_G	3288833

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 15:42	TCM	1.00

RECAP GASOLINE RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Gasoline Range Organics (C6-C10)	ND		5.4	50	10/06/09 21:25	KJ	3284119
Surr: 1,4-Difluorobenzene	97.1	%	56-151	50	10/06/09 21:25	KJ	3284119
Surr: 4-Bromofluorobenzene	114	%	55-148	50	10/06/09 21:25	KJ	3284119

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/06/2009 12:48	hbo	1.09

RECAP OIL RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Oil Range Organics (C28-C35)	ND		10	1	10/08/09 23:16	E_G	3289007
Surr: o-Terphenyl	80.9	%	10-148	1	10/08/09 23:16	E_G	3289007

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 15:44	TCM	1.00

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Client Sample ID: S-3514ACE-B3-0-3 **Collected:** 10/05/2009 12:45 **SPL Sample ID:** 09100232-03

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP SEMIVOLATILE ORGANICS BY EPA 8270D				**MCL**		**SW8270D**	**Units: mg/Kg**	
1,1-Biphenyl	ND		0.33	190	1	10/07/09 19:46	KTK	3286502
1,2,4,5-Tetrachlorobenzene	ND		0.17	1.1	1	10/07/09 19:46	KTK	3286502
1,2,4-Trichlorobenzene	ND		0.17	14	1	10/07/09 19:46	KTK	3286502
1,3-Dinitrobenzene	ND		0.17	0.25	1	10/07/09 19:46	KTK	3286502
2,3,4,6-Tetrachlorophenol	ND		0.17	31	1	10/07/09 19:46	KTK	3286502
2,4,5-Trichlorophenol	ND		0.17	320	1	10/07/09 19:46	KTK	3286502
2,4,6-Trichlorophenol	ND		0.17	1.3	1	10/07/09 19:46	KTK	3286502
2,4-Dichlorophenol	ND		0.17	12	1	10/07/09 19:46	KTK	3286502
2,4-Dimethylphenol	ND		0.17	20	1	10/07/09 19:46	KTK	3286502
2,4-Dinitrophenol	ND		0.66	1.7	1	10/07/09 19:46	KTK	3286502
2,4-Dinitrotoluene	ND		0.17	1	1	10/07/09 19:46	KTK	3286502
2,6-Dinitrotoluene	ND		0.17	0.39	1	10/07/09 19:46	KTK	3286502
2-Chloronaphthalene	ND		0.17	370	1	10/07/09 19:46	KTK	3286502
2-Chlorophenol	ND		0.17	1.4	1	10/07/09 19:46	KTK	3286502
2-Methylnaphthalene	ND		0.17	1.7	1	10/07/09 19:46	KTK	3286502
2-Nitroaniline	ND		0.33	1.7	1	10/07/09 19:46	KTK	3286502
3,3´-Dichlorobenzidine	ND		0.17	0.9	1	10/07/09 19:46	KTK	3286502
3-Nitroaniline	ND		0.33	1.7	1	10/07/09 19:46	KTK	3286502
4-Chloroaniline	ND		0.17	1.5	1	10/07/09 19:46	KTK	3286502
4-Nitroaniline	ND		0.33	1.7	1	10/07/09 19:46	KTK	3286502
4-Nitrophenol	ND		0.66	2.6	1	10/07/09 19:46	KTK	3286502
Acenaphthene	ND		0.17	220	1	10/07/09 19:46	KTK	3286502
Acenaphthylene	ND		0.17	88	1	10/07/09 19:46	KTK	3286502
Aniline	ND		0.065	0.065	1	10/07/09 19:46	KTK	3286502
Anthracene	ND		0.17	120	1	10/07/09 19:46	KTK	3286502
Benz(a)anthracene	ND		0.17	330	1	10/07/09 19:46	KTK	3286502
Benzo(a)pyrene	ND		0.17	0.33	1	10/07/09 19:46	KTK	3286502
Benzo(b)fluoranthene	ND		0.17	0.62	1	10/07/09 19:46	KTK	3286502
Benzo(k)fluoranthene	ND		0.17	6.2	1	10/07/09 19:46	KTK	3286502
Bis(2-chloroethyl)ether	ND		0.17	0.33	1	10/07/09 19:46	KTK	3286502
Bis(2-chloroisopropyl)ether	ND		0.17	0.8	1	10/07/09 19:46	KTK	3286502
Bis(2-ethylhexyl)phthalate	ND		0.17	32	1	10/07/09 19:46	KTK	3286502
Butyl benzyl phthalate	ND		0.17	220	1	10/07/09 19:46	KTK	3286502
Chrysene	ND		0.17	62	1	10/07/09 19:46	KTK	3286502
Dibenz(a,h)anthracene	ND		0.17	0.33	1	10/07/09 19:46	KTK	3286502
Dibenzofuran	ND		0.17	21	1	10/07/09 19:46	KTK	3286502
Diethyl phthalate	ND		0.17	360	1	10/07/09 19:46	KTK	3286502
Dimethyl phthalate	ND		0.17	1500	1	10/07/09 19:46	KTK	3286502
Di-n-octyl phthalate	ND		0.17	110	1	10/07/09 19:46	KTK	3286502

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Client Sample ID: S-3514ACE-B3-0-3 **Collected:** 10/05/2009 12:45 **SPL Sample ID:** 09100232-03

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
Fluoranthene	ND			0.17	220	1	10/07/09 19:46	KTK	3286502
Fluorene	ND			0.17	230	1	10/07/09 19:46	KTK	3286502
Hexachlorobenzene	ND			0.17	0.33	1	10/07/09 19:46	KTK	3286502
Hexachlorobutadiene	ND			0.17	0.77	1	10/07/09 19:46	KTK	3286502
Hexachlorocyclopentadiene	ND			0.33	0.51	1	10/07/09 19:46	KTK	3286502
Indeno(1,2,3-cd)pyrene	ND			0.17	0.62	1	10/07/09 19:46	KTK	3286502
Isophorone	ND			0.17	0.56	1	10/07/09 19:46	KTK	3286502
Naphthalene	ND			0.17	1.5	1	10/07/09 19:46	KTK	3286502
Nitrobenzene	ND			0.17	0.33	1	10/07/09 19:46	KTK	3286502
N-Nitrosodi-n-propylamine	ND			0.17	0.33	1	10/07/09 19:46	KTK	3286502
N-Nitrosodiphenylamine	ND			0.17	2.1	1	10/07/09 19:46	KTK	3286502
Pentachlorophenol	ND			0.66	1.7	1	10/07/09 19:46	KTK	3286502
Phenanthrene	ND			0.17	660	1	10/07/09 19:46	KTK	3286502
Phenol	ND			0.17	22	1	10/07/09 19:46	KTK	3286502
Pyrene	ND			0.17	230	1	10/07/09 19:46	KTK	3286502
Surr: 2,4,6-Tribromophenol	85.2		%	10-170		1	10/07/09 19:46	KTK	3286502
Surr: 2-Fluorobiphenyl	96.3		%	35-116		1	10/07/09 19:46	KTK	3286502
Surr: 2-Fluorophenol	84.4		%	16-139		1	10/07/09 19:46	KTK	3286502
Surr: 4-Terphenyl-d14	77.6		%	30-145		1	10/07/09 19:46	KTK	3286502
Surr: Nitrobenzene-d5	75.9		%	10-152		1	10/07/09 19:46	KTK	3286502
Surr: Phenol-d5	88.9		%	17-151		1	10/07/09 19:46	KTK	3286502

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 13:08	TCM	1.00

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Client Sample ID: S-3514ACE-B3-0-3 **Collected:** 10/05/2009 12:45 **SPL Sample ID:** 09100232-03

Site: **SEABROOK BOAT LAUNCH**

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		0.0051	2.7	1	10/06/09 17:21	MCB	3284350
1,1,1-Trichloroethane	ND		0.0051	4	1	10/06/09 17:21	MCB	3284350
1,1,2,2-Tetrachloroethane	ND		0.002	0.006	1	10/06/09 17:21	MCB	3284350
1,1,2-Trichloroethane	ND		0.0051	0.058	1	10/06/09 17:21	MCB	3284350
1,1-Dichloroethane	ND		0.0051	7.5	1	10/06/09 17:21	MCB	3284350
1,1-Dichloroethene	ND		0.0051	0.085	1	10/06/09 17:21	MCB	3284350
1,2-Dibromo-3-chloropropane	ND		0.0031	0.01	1	10/06/09 17:21	MCB	3284350
1,2-Dichlorobenzene	ND		0.0051	18	1	10/06/09 17:21	MCB	3284350
1,2-Dichloroethane	ND		0.0051	0.035	1	10/06/09 17:21	MCB	3284350
1,2-Dichloropropane	ND		0.0051	0.042	1	10/06/09 17:21	MCB	3284350
1,3-Dichlorobenzene	ND		0.0051	2.3	1	10/06/09 17:21	MCB	3284350
1,4-Dichlorobenzene	ND		0.0051	5.7	1	10/06/09 17:21	MCB	3284350
2-Butanone	ND		0.02	5	1	10/06/09 17:21	MCB	3284350
4-Methyl-2-pentanone	ND		0.01	0.45	1	10/06/09 17:21	MCB	3284350
Acetone	ND		0.1	1.5	1	10/06/09 17:21	MCB	3284350
Benzene	ND		0.0051	0.051	1	10/06/09 17:21	MCB	3284350
Bromodichloromethane	ND		0.0051	0.92	1	10/06/09 17:21	MCB	3284350
Bromoform	ND		0.0051	1.8	1	10/06/09 17:21	MCB	3284350
Bromomethane	ND		0.01	0.035	1	10/06/09 17:21	MCB	3284350
Carbon disulfide	ND		0.0051	11	1	10/06/09 17:21	MCB	3284350
Carbon tetrachloride	ND		0.0051	0.11	1	10/06/09 17:21	MCB	3284350
Chlorobenzene	ND		0.0051	3	1	10/06/09 17:21	MCB	3284350
Chloroethane	ND		0.0051	0.013	1	10/06/09 17:21	MCB	3284350
Chloroform	ND		0.0051	0.046	1	10/06/09 17:21	MCB	3284350
Chloromethane	ND		0.01	0.1	1	10/06/09 17:21	MCB	3284350
Dibromochloromethane	ND		0.0051	1	1	10/06/09 17:21	MCB	3284350
Ethylbenzene	ND		0.0051	19	1	10/06/09 17:21	MCB	3284350
Hexachloroethane	ND		0.0051	0.17	1	10/06/09 17:21	MCB	3284350
Isobutyl alcohol	ND		0.1	30	1	10/06/09 17:21	MCB	3284350
Methyl tert-butyl ether	ND		0.0051	0.077	1	10/06/09 17:21	MCB	3284350
Methylene chloride	ND		0.01	0.017	1	10/06/09 17:21	MCB	3284350
Styrene	ND		0.0051	11	1	10/06/09 17:21	MCB	3284350
Tetrachloroethene	ND		0.0051	0.18	1	10/06/09 17:21	MCB	3284350
Toluene	ND		0.0051	20	1	10/06/09 17:21	MCB	3284350
Trichloroethene	ND		0.0051	0.073	1	10/06/09 17:21	MCB	3284350
Trichlorofluoromethane	ND		0.0051	37	1	10/06/09 17:21	MCB	3284350
Vinyl chloride	ND		0.0051	0.013	1	10/06/09 17:21	MCB	3284350
cis-1,3-Dichloropropene	ND		0.0051	0.04	1	10/06/09 17:21	MCB	3284350
trans-1,3-Dichloropropene	ND		0.0051	0.04	1	10/06/09 17:21	MCB	3284350

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E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
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LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: S-3514ACE-B3-0-3 **Collected:** 10/05/2009 12:45 **SPL Sample ID:** 09100232-03

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.0051	0.49	1	10/06/09 17:21	MCB	3284350
trans-1,2-Dichloroethene	ND			0.0051	0.77	1	10/06/09 17:21	MCB	3284350
m,p-Xylene	ND			0.0051	150	1	10/06/09 17:21	MCB	3284350
o-Xylene	ND			0.0051	150	1	10/06/09 17:21	MCB	3284350
1,3-Dichloropropene,Total	ND			0.0051	0.04	1	10/06/09 17:21	MCB	3284350
1,2-Dichloroethene (total)	ND			0.0051	0.49	1	10/06/09 17:21	MCB	3284350
Xylenes,Total	ND			0.0051	150	1	10/06/09 17:21	MCB	3284350
Surr: 1,2-Dichloroethane-d4	91.3		%	50-166		1	10/06/09 17:21	MCB	3284350
Surr: 4-Bromofluorobenzene	95.5		%	79-123		1	10/06/09 17:21	MCB	3284350
Surr: Toluene-d8	101		%	62-146		1	10/06/09 17:21	MCB	3284350

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/06/2009 12:48	hbo	1.02

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Client Sample ID: S-3514ACE-B10-0-3 **Collected:** 10/05/2009 14:05 **SPL Sample ID:** 09100232-04

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL BY COLD VAPOR				**MCL**	**SW7471B**	**Units: mg/Kg**	
Mercury	0.193		0.1	1	10/07/09 9:49	PFB	3284863

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7471A	10/07/2009 7:00	PFB	1.00

METALS BY METHOD 6020 (ICP/MS), TOTAL				MCL	SW6020	Units: mg/Kg	
Antimony	0.699		0.25	2.5	10/14/09 18:09	RJD	3295911
Arsenic	43.1		2	5	10/08/09 15:54	RJD	3287723
Barium	598		5	5	10/08/09 15:54	RJD	3287723
Beryllium	0.575		0.5	2.5	10/14/09 18:09	RJD	3295911
Cadmium	ND		1	5	10/08/09 15:54	RJD	3287723
Chromium	4.71		2	5	10/08/09 15:54	RJD	3287723
Cobalt	2.31		0.5	2.5	10/14/09 18:09	RJD	3295911
Copper	27.6		0.5	2.5	10/14/09 18:09	RJD	3295911
Lead	58.9		0.5	5	10/08/09 15:54	RJD	3287723
Nickel	4.18		0.5	2.5	10/14/09 18:09	RJD	3295911
Selenium	ND		5	5	10/08/09 15:54	RJD	3287723
Silver	ND		0.5	5	10/08/09 15:54	RJD	3287723
Thallium	ND		5	2.5	10/14/09 18:09	RJD	3295911
Vanadium	5.83		2.5	2.5	10/14/09 18:09	RJD	3295911
Zinc	133		2.5	2.5	10/14/09 18:09	RJD	3295911

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	10/06/2009 13:15	SA	1.00

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Client Sample ID: S-3514ACE-B10-0-3 **Collected:** 10/05/2009 14:05 **SPL Sample ID:** 09100232-04

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ORGANOCHLORINE PESTICIDES BY METHOD 8081B - SOIL			**MCL**	**SW8081**	**Units: mg/Kg**		
4,4´-DDD	ND		0.0017	1	10/09/09 13:23	LDD	3289692
4,4´-DDE	ND		0.0017	1	10/09/09 13:23	LDD	3289692
4,4´-DDT	ND		0.0017	1	10/09/09 13:23	LDD	3289692
Aldrin	ND		0.0017	1	10/09/09 13:23	LDD	3289692
alpha-BHC	ND		0.0017	1	10/09/09 13:23	LDD	3289692
alpha-Chlordane	ND		0.0017	1	10/09/09 13:23	LDD	3289692
beta-BHC	ND		0.0017	1	10/09/09 13:23	LDD	3289692
Chlordane	ND		0.0067	1	10/09/09 13:23	LDD	3289692
delta-BHC	ND		0.0017	1	10/09/09 13:23	LDD	3289692
Dieldrin	ND		0.0017	1	10/09/09 13:23	LDD	3289692
Endosulfan I	ND		0.0017	1	10/09/09 13:23	LDD	3289692
Endosulfan II	ND		0.0017	1	10/09/09 13:23	LDD	3289692
Endosulfan sulfate	ND		0.0017	1	10/09/09 13:23	LDD	3289692
Endrin	ND		0.0017	1	10/09/09 13:23	LDD	3289692
Endrin aldehyde	ND		0.0017	1	10/09/09 13:23	LDD	3289692
Endrin ketone	ND		0.0017	1	10/09/09 13:23	LDD	3289692
gamma-BHC	ND		0.0017	1	10/09/09 13:23	LDD	3289692
gamma-Chlordane	ND		0.0017	1	10/09/09 13:23	LDD	3289692
Heptachlor	ND		0.0017	1	10/09/09 13:23	LDD	3289692
Heptachlor epoxide	ND		0.0017	1	10/09/09 13:23	LDD	3289692
Methoxychlor	ND		0.0017	1	10/09/09 13:23	LDD	3289692
Toxaphene	ND		0.17	1	10/09/09 13:23	LDD	3289692
Surr: Decachlorobiphenyl	108	%	10-180	1	10/09/09 13:23	LDD	3289692
Surr: Tetrachloro-m-xylene	87.1	%	10-157	1	10/09/09 13:23	LDD	3289692

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 17:04	TCM	1.00

POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL			**MCL**	**SW8082**	**Units: mg/Kg**		
Aroclor 1016	ND		0.033	1	10/08/09 6:24	LDD	3287831
Aroclor 1221	ND		0.033	1	10/08/09 6:24	LDD	3287831
Aroclor 1232	ND		0.033	1	10/08/09 6:24	LDD	3287831
Aroclor 1242	ND		0.033	1	10/08/09 6:24	LDD	3287831
Aroclor 1248	ND		0.033	1	10/08/09 6:24	LDD	3287831
Aroclor 1254	ND		0.033	1	10/08/09 6:24	LDD	3287831
Aroclor 1260	ND		0.033	1	10/08/09 6:24	LDD	3287831
Surr: Decachlorobiphenyl	95.8	%	10-187	1	10/08/09 6:24	LDD	3287831
Surr: Tetrachloro-m-xylene	97.9	%	10-153	1	10/08/09 6:24	LDD	3287831

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(337) 237-4775

Client Sample ID: S-3514ACE-B10-0-3 **Collected:** 10/05/2009 14:05 **SPL Sample ID:** 09100232-04

Site: **SEABROOK BOAT LAUNCH**

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

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 17:05	TCM	1.00

RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				MCL	SW8015C	Units: mg/Kg	
Diesel Range Organics (C10-C28)	14		10	1	10/09/09 2:31	E_G	3288838
Surr: o-Terphenyl	70.5	%	12-145	1	10/09/09 2:31	E_G	3288838

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 15:42	TCM	1.00

RECAP GASOLINE RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Gasoline Range Organics (C6-C10)	ND		6.1	50	10/06/09 21:58	KJ	3284120
Surr: 1,4-Difluorobenzene	96.2	%	56-151	50	10/06/09 21:58	KJ	3284120
Surr: 4-Bromofluorobenzene	113	%	55-148	50	10/06/09 21:58	KJ	3284120

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/06/2009 13:03	hbo	1.22

RECAP OIL RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Oil Range Organics (C28-C35)	21		10	1	10/09/09 2:31	E_G	3289012
Surr: o-Terphenyl	70.4	%	10-148	1	10/09/09 2:31	E_G	3289012

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 15:44	TCM	1.00

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Client Sample ID: S-3514ACE-B10-0-3 **Collected:** 10/05/2009 14:05 **SPL Sample ID:** 09100232-04

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP SEMIVOLATILE ORGANICS BY EPA 8270D				**MCL**		**SW8270D**	**Units: mg/Kg**	
1,1-Biphenyl	ND		1.6	190	5	10/08/09 18:38	KTK	3288173
1,2,4,5-Tetrachlorobenzene	ND		0.85	1.1	5	10/08/09 18:38	KTK	3288173
1,2,4-Trichlorobenzene	ND		0.85	14	5	10/08/09 18:38	KTK	3288173
1,3-Dinitrobenzene	ND		0.85	0.25	5	10/08/09 18:38	KTK	3288173
2,3,4,6-Tetrachlorophenol	ND		0.85	31	5	10/08/09 18:38	KTK	3288173
2,4,5-Trichlorophenol	ND		0.85	320	5	10/08/09 18:38	KTK	3288173
2,4,6-Trichlorophenol	ND		0.85	1.3	5	10/08/09 18:38	KTK	3288173
2,4-Dichlorophenol	ND		0.85	12	5	10/08/09 18:38	KTK	3288173
2,4-Dimethylphenol	ND		0.85	20	5	10/08/09 18:38	KTK	3288173
2,4-Dinitrophenol	ND		3.3	1.7	5	10/08/09 18:38	KTK	3288173
2,4-Dinitrotoluene	ND		0.85	1	5	10/08/09 18:38	KTK	3288173
2,6-Dinitrotoluene	ND		0.85	0.39	5	10/08/09 18:38	KTK	3288173
2-Chloronaphthalene	ND		0.85	370	5	10/08/09 18:38	KTK	3288173
2-Chlorophenol	ND		0.85	1.4	5	10/08/09 18:38	KTK	3288173
2-Methylnaphthalene	ND		0.85	1.7	5	10/08/09 18:38	KTK	3288173
2-Nitroaniline	ND		1.6	1.7	5	10/08/09 18:38	KTK	3288173
3,3´-Dichlorobenzidine	ND		0.85	0.9	5	10/08/09 18:38	KTK	3288173
3-Nitroaniline	ND		1.6	1.7	5	10/08/09 18:38	KTK	3288173
4-Chloroaniline	ND		0.85	1.5	5	10/08/09 18:38	KTK	3288173
4-Nitroaniline	ND		1.6	1.7	5	10/08/09 18:38	KTK	3288173
4-Nitrophenol	ND		3.3	2.6	5	10/08/09 18:38	KTK	3288173
Acenaphthene	ND		0.85	220	5	10/08/09 18:38	KTK	3288173
Acenaphthylene	ND		0.85	88	5	10/08/09 18:38	KTK	3288173
Aniline	ND		0.32	0.065	5	10/08/09 18:38	KTK	3288173
Anthracene	ND		0.85	120	5	10/08/09 18:38	KTK	3288173
Benz(a)anthracene	ND		0.85	330	5	10/08/09 18:38	KTK	3288173
Benzo(a)pyrene	ND		0.85	0.33	5	10/08/09 18:38	KTK	3288173
Benzo(b)fluoranthene	ND		0.85	0.62	5	10/08/09 18:38	KTK	3288173
Benzo(k)fluoranthene	ND		0.85	6.2	5	10/08/09 18:38	KTK	3288173
Bis(2-chloroethyl)ether	ND		0.85	0.33	5	10/08/09 18:38	KTK	3288173
Bis(2-chloroisopropyl)ether	ND		0.85	0.8	5	10/08/09 18:38	KTK	3288173
Bis(2-ethylhexyl)phthalate	ND		0.85	32	5	10/08/09 18:38	KTK	3288173
Butyl benzyl phthalate	ND		0.85	220	5	10/08/09 18:38	KTK	3288173
Chrysene	ND		0.85	62	5	10/08/09 18:38	KTK	3288173
Dibenz(a,h)anthracene	ND		0.85	0.33	5	10/08/09 18:38	KTK	3288173
Dibenzofuran	ND		0.85	21	5	10/08/09 18:38	KTK	3288173
Diethyl phthalate	ND		0.85	360	5	10/08/09 18:38	KTK	3288173
Dimethyl phthalate	ND		0.85	1500	5	10/08/09 18:38	KTK	3288173
Di-n-octyl phthalate	ND		0.85	110	5	10/08/09 18:38	KTK	3288173

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

Client Sample ID: S-3514ACE-B10-0-3 **Collected:** 10/05/2009 14:05 **SPL Sample ID:** 09100232-04

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
Fluoranthene	ND			0.85	220	5	10/08/09 18:38	KTK	3288173
Fluorene	ND			0.85	230	5	10/08/09 18:38	KTK	3288173
Hexachlorobenzene	ND			0.85	0.33	5	10/08/09 18:38	KTK	3288173
Hexachlorobutadiene	ND			0.85	0.77	5	10/08/09 18:38	KTK	3288173
Hexachlorocyclopentadiene	ND			1.6	0.51	5	10/08/09 18:38	KTK	3288173
Indeno(1,2,3-cd)pyrene	ND			0.85	0.62	5	10/08/09 18:38	KTK	3288173
Isophorone	ND			0.85	0.56	5	10/08/09 18:38	KTK	3288173
Naphthalene	ND			0.85	1.5	5	10/08/09 18:38	KTK	3288173
Nitrobenzene	ND			0.85	0.33	5	10/08/09 18:38	KTK	3288173
N-Nitrosodi-n-propylamine	ND			0.85	0.33	5	10/08/09 18:38	KTK	3288173
N-Nitrosodiphenylamine	ND			0.85	2.1	5	10/08/09 18:38	KTK	3288173
Pentachlorophenol	ND			3.3	1.7	5	10/08/09 18:38	KTK	3288173
Phenanthrene	ND			0.85	660	5	10/08/09 18:38	KTK	3288173
Phenol	ND			0.85	22	5	10/08/09 18:38	KTK	3288173
Pyrene	ND			0.85	230	5	10/08/09 18:38	KTK	3288173
Surr: 2,4,6-Tribromophenol	90.3		%	10-170		5	10/08/09 18:38	KTK	3288173
Surr: 2-Fluorobiphenyl	71.2		%	35-116		5	10/08/09 18:38	KTK	3288173
Surr: 2-Fluorophenol	73.8		%	16-139		5	10/08/09 18:38	KTK	3288173
Surr: 4-Terphenyl-d14	90.8		%	30-145		5	10/08/09 18:38	KTK	3288173
Surr: Nitrobenzene-d5	86.1		%	10-152		5	10/08/09 18:38	KTK	3288173
Surr: Phenol-d5	81.6		%	17-151		5	10/08/09 18:38	KTK	3288173

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 13:08	TCM	1.00

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Client Sample ID: S-3514ACE-B10-0-3 **Collected:** 10/05/2009 14:05 **SPL Sample ID:** 09100232-04

Site: SEABROOK BOAT LAUNCH

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		0.0046	2.7	1	10/06/09 17:49	MCB	3284351
1,1,1-Trichloroethane	ND		0.0046	4	1	10/06/09 17:49	MCB	3284351
1,1,2,2-Tetrachloroethane	ND		0.0019	0.006	1	10/06/09 17:49	MCB	3284351
1,1,2-Trichloroethane	ND		0.0046	0.058	1	10/06/09 17:49	MCB	3284351
1,1-Dichloroethane	ND		0.0046	7.5	1	10/06/09 17:49	MCB	3284351
1,1-Dichloroethene	ND		0.0046	0.085	1	10/06/09 17:49	MCB	3284351
1,2-Dibromo-3-chloropropane	ND		0.0028	0.01	1	10/06/09 17:49	MCB	3284351
1,2-Dichlorobenzene	ND		0.0046	18	1	10/06/09 17:49	MCB	3284351
1,2-Dichloroethane	ND		0.0046	0.035	1	10/06/09 17:49	MCB	3284351
1,2-Dichloropropane	ND		0.0046	0.042	1	10/06/09 17:49	MCB	3284351
1,3-Dichlorobenzene	ND		0.0046	2.3	1	10/06/09 17:49	MCB	3284351
1,4-Dichlorobenzene	ND		0.0046	5.7	1	10/06/09 17:49	MCB	3284351
2-Butanone	ND		0.019	5	1	10/06/09 17:49	MCB	3284351
4-Methyl-2-pentanone	ND		0.0093	0.45	1	10/06/09 17:49	MCB	3284351
Acetone	ND		0.093	1.5	1	10/06/09 17:49	MCB	3284351
Benzene	ND		0.0046	0.051	1	10/06/09 17:49	MCB	3284351
Bromodichloromethane	ND		0.0046	0.92	1	10/06/09 17:49	MCB	3284351
Bromoform	ND		0.0046	1.8	1	10/06/09 17:49	MCB	3284351
Bromomethane	ND		0.0093	0.035	1	10/06/09 17:49	MCB	3284351
Carbon disulfide	ND		0.0046	11	1	10/06/09 17:49	MCB	3284351
Carbon tetrachloride	ND		0.0046	0.11	1	10/06/09 17:49	MCB	3284351
Chlorobenzene	ND		0.0046	3	1	10/06/09 17:49	MCB	3284351
Chloroethane	ND		0.0046	0.013	1	10/06/09 17:49	MCB	3284351
Chloroform	ND		0.0046	0.046	1	10/06/09 17:49	MCB	3284351
Chloromethane	ND		0.0093	0.1	1	10/06/09 17:49	MCB	3284351
Dibromochloromethane	ND		0.0046	1	1	10/06/09 17:49	MCB	3284351
Ethylbenzene	ND		0.0046	19	1	10/06/09 17:49	MCB	3284351
Hexachloroethane	ND		0.0046	0.17	1	10/06/09 17:49	MCB	3284351
Isobutyl alcohol	ND		0.093	30	1	10/06/09 17:49	MCB	3284351
Methyl tert-butyl ether	ND		0.0046	0.077	1	10/06/09 17:49	MCB	3284351
Methylene chloride	ND		0.0093	0.017	1	10/06/09 17:49	MCB	3284351
Styrene	ND		0.0046	11	1	10/06/09 17:49	MCB	3284351
Tetrachloroethene	ND		0.0046	0.18	1	10/06/09 17:49	MCB	3284351
Toluene	ND		0.0046	20	1	10/06/09 17:49	MCB	3284351
Trichloroethene	ND		0.0046	0.073	1	10/06/09 17:49	MCB	3284351
Trichlorofluoromethane	ND		0.0046	37	1	10/06/09 17:49	MCB	3284351
Vinyl chloride	ND		0.0046	0.013	1	10/06/09 17:49	MCB	3284351
cis-1,3-Dichloropropene	ND		0.0046	0.04	1	10/06/09 17:49	MCB	3284351
trans-1,3-Dichloropropene	ND		0.0046	0.04	1	10/06/09 17:49	MCB	3284351

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J - Estimated Value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count
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LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: S-3514ACE-B10-0-3 **Collected:** 10/05/2009 14:05 **SPL Sample ID:** 09100232-04

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.0046	0.49	1	10/06/09 17:49	MCB	3284351
trans-1,2-Dichloroethene	ND			0.0046	0.77	1	10/06/09 17:49	MCB	3284351
m,p-Xylene	ND			0.0046	150	1	10/06/09 17:49	MCB	3284351
o-Xylene	ND			0.0046	150	1	10/06/09 17:49	MCB	3284351
1,3-Dichloropropene,Total	ND			0.0046	0.04	1	10/06/09 17:49	MCB	3284351
1,2-Dichloroethene (total)	ND			0.0046	0.49	1	10/06/09 17:49	MCB	3284351
Xylenes,Total	ND			0.0046	150	1	10/06/09 17:49	MCB	3284351
Surr: 1,2-Dichloroethane-d4	83.3		%	50-166		1	10/06/09 17:49	MCB	3284351
Surr: 4-Bromofluorobenzene	90.8		%	79-123		1	10/06/09 17:49	MCB	3284351
Surr: Toluene-d8	105		%	62-146		1	10/06/09 17:49	MCB	3284351

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/06/2009 13:03	hbo	0.93

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Client Sample ID: S-3514ACE-B11-0-3 **Collected:** 10/05/2009 14:10 **SPL Sample ID:** 09100232-05

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL BY COLD VAPOR				**MCL**	**SW7471B**	**Units: mg/Kg**	
Mercury	0.136		0.1	1	10/07/09 9:53	PFB	3284864

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7471A	10/07/2009 7:00	PFB	1.00

METALS BY METHOD 6020 (ICP/MS), TOTAL				MCL	SW6020	Units: mg/Kg	
Antimony	ND		0.25	2.5	10/14/09 18:12	RJD	3295912
Arsenic	2.02		2	5	10/08/09 15:57	RJD	3287725
Barium	109		5	5	10/08/09 15:57	RJD	3287725
Beryllium	0.607		0.5	2.5	10/14/09 18:12	RJD	3295912
Cadmium	ND		1	5	10/08/09 15:57	RJD	3287725
Chromium	4.08		2	5	10/08/09 15:57	RJD	3287725
Cobalt	2.56		0.5	2.5	10/14/09 18:12	RJD	3295912
Copper	4.49		0.5	2.5	10/14/09 18:12	RJD	3295912
Lead	11.6		0.5	5	10/08/09 15:57	RJD	3287725
Nickel	5.46		0.5	2.5	10/14/09 18:12	RJD	3295912
Selenium	ND		5	5	10/08/09 15:57	RJD	3287725
Silver	ND		0.5	5	10/08/09 15:57	RJD	3287725
Thallium	ND		5	2.5	10/14/09 18:12	RJD	3295912
Vanadium	6.34		2.5	2.5	10/14/09 18:12	RJD	3295912
Zinc	26.3		2.5	2.5	10/14/09 18:12	RJD	3295912

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	10/06/2009 13:15	SA	1.00

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Client Sample ID: S-3514ACE-B11-0-3 **Collected:** 10/05/2009 14:10 **SPL Sample ID:** 09100232-05

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ORGANOCHLORINE PESTICIDES BY METHOD 8081B - SOIL			**MCL**	**SW8081**	**Units: mg/Kg**		
4,4´-DDD	ND		0.017	10	10/09/09 11:23	LDD	3289724
4,4´-DDE	ND		0.017	10	10/09/09 11:23	LDD	3289724
4,4´-DDT	ND		0.017	10	10/09/09 11:23	LDD	3289724
Aldrin	ND		0.017	10	10/09/09 11:23	LDD	3289724
alpha-BHC	ND		0.017	10	10/09/09 11:23	LDD	3289724
alpha-Chlordane	ND		0.017	10	10/09/09 11:23	LDD	3289724
beta-BHC	ND		0.017	10	10/09/09 11:23	LDD	3289724
Chlordane	ND		0.067	10	10/09/09 11:23	LDD	3289724
delta-BHC	ND		0.017	10	10/09/09 11:23	LDD	3289724
Dieldrin	ND		0.017	10	10/09/09 11:23	LDD	3289724
Endosulfan I	ND		0.017	10	10/09/09 11:23	LDD	3289724
Endosulfan II	ND		0.017	10	10/09/09 11:23	LDD	3289724
Endosulfan sulfate	ND		0.017	10	10/09/09 11:23	LDD	3289724
Endrin	ND		0.017	10	10/09/09 11:23	LDD	3289724
Endrin aldehyde	ND		0.017	10	10/09/09 11:23	LDD	3289724
Endrin ketone	ND		0.017	10	10/09/09 11:23	LDD	3289724
gamma-BHC	ND		0.017	10	10/09/09 11:23	LDD	3289724
gamma-Chlordane	ND		0.017	10	10/09/09 11:23	LDD	3289724
Heptachlor	ND		0.017	10	10/09/09 11:23	LDD	3289724
Heptachlor epoxide	ND		0.017	10	10/09/09 11:23	LDD	3289724
Methoxychlor	ND		0.017	10	10/09/09 11:23	LDD	3289724
Toxaphene	ND		1.7	10	10/09/09 11:23	LDD	3289724
Surr: Decachlorobiphenyl	137	%	10-180	10	10/09/09 11:23	LDD	3289724
Surr: Tetrachloro-m-xylene	54.7	%	10-157	10	10/09/09 11:23	LDD	3289724

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 17:04	TCM	1.00

POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL			**MCL**	**SW8082**	**Units: mg/Kg**		
Aroclor 1016	ND		0.033	1	10/08/09 6:44	LDD	3287832
Aroclor 1221	ND		0.033	1	10/08/09 6:44	LDD	3287832
Aroclor 1232	ND		0.033	1	10/08/09 6:44	LDD	3287832
Aroclor 1242	ND		0.033	1	10/08/09 6:44	LDD	3287832
Aroclor 1248	ND		0.033	1	10/08/09 6:44	LDD	3287832
Aroclor 1254	ND		0.033	1	10/08/09 6:44	LDD	3287832
Aroclor 1260	ND		0.033	1	10/08/09 6:44	LDD	3287832
Surr: Decachlorobiphenyl	62.7	%	10-187	1	10/08/09 6:44	LDD	3287832
Surr: Tetrachloro-m-xylene	50.3	%	10-153	1	10/08/09 6:44	LDD	3287832

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(337) 237-4775

Client Sample ID: S-3514ACE-B11-0-3 **Collected:** 10/05/2009 14:10 **SPL Sample ID:** 09100232-05

Site: **SEABROOK BOAT LAUNCH**

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

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 17:05	TCM	1.00

RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				MCL	SW8015C	Units: mg/Kg	
Diesel Range Organics (C10-C28)	450		10	1	10/09/09 2:51	E_G	3288839
Surr: o-Terphenyl	46.8	%	12-145	1	10/09/09 2:51	E_G	3288839

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 15:42	TCM	1.00

RECAP GASOLINE RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Gasoline Range Organics (C6-C10)	ND		5.6	50	10/06/09 22:31	KJ	3284121
Surr: 1,4-Difluorobenzene	97.1	%	56-151	50	10/06/09 22:31	KJ	3284121
Surr: 4-Bromofluorobenzene	115	%	55-148	50	10/06/09 22:31	KJ	3284121

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/06/2009 13:05	hbo	1.11

RECAP OIL RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Oil Range Organics (C28-C35)	250		10	1	10/09/09 2:51	E_G	3289013
Surr: o-Terphenyl	46.7	%	10-148	1	10/09/09 2:51	E_G	3289013

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 15:44	TCM	1.00

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Client Sample ID: S-3514ACE-B11-0-3 **Collected:** 10/05/2009 14:10 **SPL Sample ID:** 09100232-05

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP SEMIVOLATILE ORGANICS BY EPA 8270D				**MCL**		**SW8270D**	**Units: mg/Kg**	
1,1-Biphenyl	ND		0.33	190	1	10/07/09 20:11	KTK	3286503
1,2,4,5-Tetrachlorobenzene	ND		0.17	1.1	1	10/07/09 20:11	KTK	3286503
1,2,4-Trichlorobenzene	ND		0.17	14	1	10/07/09 20:11	KTK	3286503
1,3-Dinitrobenzene	ND		0.17	0.25	1	10/07/09 20:11	KTK	3286503
2,3,4,6-Tetrachlorophenol	ND		0.17	31	1	10/07/09 20:11	KTK	3286503
2,4,5-Trichlorophenol	ND		0.17	320	1	10/07/09 20:11	KTK	3286503
2,4,6-Trichlorophenol	ND		0.17	1.3	1	10/07/09 20:11	KTK	3286503
2,4-Dichlorophenol	ND		0.17	12	1	10/07/09 20:11	KTK	3286503
2,4-Dimethylphenol	ND		0.17	20	1	10/07/09 20:11	KTK	3286503
2,4-Dinitrophenol	ND		0.66	1.7	1	10/07/09 20:11	KTK	3286503
2,4-Dinitrotoluene	ND		0.17	1	1	10/07/09 20:11	KTK	3286503
2,6-Dinitrotoluene	ND		0.17	0.39	1	10/07/09 20:11	KTK	3286503
2-Chloronaphthalene	ND		0.17	370	1	10/07/09 20:11	KTK	3286503
2-Chlorophenol	ND		0.17	1.4	1	10/07/09 20:11	KTK	3286503
2-Methylnaphthalene	ND		0.17	1.7	1	10/07/09 20:11	KTK	3286503
2-Nitroaniline	ND		0.33	1.7	1	10/07/09 20:11	KTK	3286503
3,3´-Dichlorobenzidine	ND		0.17	0.9	1	10/07/09 20:11	KTK	3286503
3-Nitroaniline	ND		0.33	1.7	1	10/07/09 20:11	KTK	3286503
4-Chloroaniline	ND		0.17	1.5	1	10/07/09 20:11	KTK	3286503
4-Nitroaniline	ND		0.33	1.7	1	10/07/09 20:11	KTK	3286503
4-Nitrophenol	ND		0.66	2.6	1	10/07/09 20:11	KTK	3286503
Acenaphthene	ND		0.17	220	1	10/07/09 20:11	KTK	3286503
Acenaphthylene	ND		0.17	88	1	10/07/09 20:11	KTK	3286503
Aniline	ND		0.065	0.065	1	10/07/09 20:11	KTK	3286503
Anthracene	ND		0.17	120	1	10/07/09 20:11	KTK	3286503
Benz(a)anthracene	ND		0.17	330	1	10/07/09 20:11	KTK	3286503
Benzo(a)pyrene	ND		0.17	0.33	1	10/07/09 20:11	KTK	3286503
Benzo(b)fluoranthene	ND		0.17	0.62	1	10/07/09 20:11	KTK	3286503
Benzo(k)fluoranthene	ND		0.17	6.2	1	10/07/09 20:11	KTK	3286503
Bis(2-chloroethyl)ether	ND		0.17	0.33	1	10/07/09 20:11	KTK	3286503
Bis(2-chloroisopropyl)ether	ND		0.17	0.8	1	10/07/09 20:11	KTK	3286503
Bis(2-ethylhexyl)phthalate	ND		0.17	32	1	10/07/09 20:11	KTK	3286503
Butyl benzyl phthalate	ND		0.17	220	1	10/07/09 20:11	KTK	3286503
Chrysene	ND		0.17	62	1	10/07/09 20:11	KTK	3286503
Dibenz(a,h)anthracene	ND		0.17	0.33	1	10/07/09 20:11	KTK	3286503
Dibenzofuran	ND		0.17	21	1	10/07/09 20:11	KTK	3286503
Diethyl phthalate	ND		0.17	360	1	10/07/09 20:11	KTK	3286503
Dimethyl phthalate	ND		0.17	1500	1	10/07/09 20:11	KTK	3286503
Di-n-octyl phthalate	ND		0.17	110	1	10/07/09 20:11	KTK	3286503

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Client Sample ID: S-3514ACE-B11-0-3 **Collected:** 10/05/2009 14:10 **SPL Sample ID:** 09100232-05

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
Fluoranthene	ND			0.17	220	1	10/07/09 20:11	KTK	3286503
Fluorene	ND			0.17	230	1	10/07/09 20:11	KTK	3286503
Hexachlorobenzene	ND			0.17	0.33	1	10/07/09 20:11	KTK	3286503
Hexachlorobutadiene	ND			0.17	0.77	1	10/07/09 20:11	KTK	3286503
Hexachlorocyclopentadiene	ND			0.33	0.51	1	10/07/09 20:11	KTK	3286503
Indeno(1,2,3-cd)pyrene	ND			0.17	0.62	1	10/07/09 20:11	KTK	3286503
Isophorone	ND			0.17	0.56	1	10/07/09 20:11	KTK	3286503
Naphthalene	ND			0.17	1.5	1	10/07/09 20:11	KTK	3286503
Nitrobenzene	ND			0.17	0.33	1	10/07/09 20:11	KTK	3286503
N-Nitrosodi-n-propylamine	ND			0.17	0.33	1	10/07/09 20:11	KTK	3286503
N-Nitrosodiphenylamine	ND			0.17	2.1	1	10/07/09 20:11	KTK	3286503
Pentachlorophenol	ND			0.66	1.7	1	10/07/09 20:11	KTK	3286503
Phenanthrene	ND			0.17	660	1	10/07/09 20:11	KTK	3286503
Phenol	ND			0.17	22	1	10/07/09 20:11	KTK	3286503
Pyrene	ND			0.17	230	1	10/07/09 20:11	KTK	3286503
Surr: 2,4,6-Tribromophenol	96.0		%	10-170		1	10/07/09 20:11	KTK	3286503
Surr: 2-Fluorobiphenyl	92.7		%	35-116		1	10/07/09 20:11	KTK	3286503
Surr: 2-Fluorophenol	87.9		%	16-139		1	10/07/09 20:11	KTK	3286503
Surr: 4-Terphenyl-d14	86.3		%	30-145		1	10/07/09 20:11	KTK	3286503
Surr: Nitrobenzene-d5	81.6		%	10-152		1	10/07/09 20:11	KTK	3286503
Surr: Phenol-d5	87.1		%	17-151		1	10/07/09 20:11	KTK	3286503

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 13:08	TCM	1.00

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Client Sample ID: S-3514ACE-B11-0-3 **Collected:** 10/05/2009 14:10 **SPL Sample ID:** 09100232-05

Site: **SEABROOK BOAT LAUNCH**

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		0.0056	2.7	1	10/06/09 18:18	MCB	3284352
1,1,1-Trichloroethane	ND		0.0056	4	1	10/06/09 18:18	MCB	3284352
1,1,2,2-Tetrachloroethane	ND		0.0022	0.006	1	10/06/09 18:18	MCB	3284352
1,1,2-Trichloroethane	ND		0.0056	0.058	1	10/06/09 18:18	MCB	3284352
1,1-Dichloroethane	ND		0.0056	7.5	1	10/06/09 18:18	MCB	3284352
1,1-Dichloroethene	ND		0.0056	0.085	1	10/06/09 18:18	MCB	3284352
1,2-Dibromo-3-chloropropane	ND		0.0033	0.01	1	10/06/09 18:18	MCB	3284352
1,2-Dichlorobenzene	ND		0.0056	18	1	10/06/09 18:18	MCB	3284352
1,2-Dichloroethane	ND		0.0056	0.035	1	10/06/09 18:18	MCB	3284352
1,2-Dichloropropane	ND		0.0056	0.042	1	10/06/09 18:18	MCB	3284352
1,3-Dichlorobenzene	ND		0.0056	2.3	1	10/06/09 18:18	MCB	3284352
1,4-Dichlorobenzene	ND		0.0056	5.7	1	10/06/09 18:18	MCB	3284352
2-Butanone	ND		0.022	5	1	10/06/09 18:18	MCB	3284352
4-Methyl-2-pentanone	ND		0.011	0.45	1	10/06/09 18:18	MCB	3284352
Acetone	ND		0.11	1.5	1	10/06/09 18:18	MCB	3284352
Benzene	ND		0.0056	0.051	1	10/06/09 18:18	MCB	3284352
Bromodichloromethane	ND		0.0056	0.92	1	10/06/09 18:18	MCB	3284352
Bromoform	ND		0.0056	1.8	1	10/06/09 18:18	MCB	3284352
Bromomethane	ND		0.011	0.035	1	10/06/09 18:18	MCB	3284352
Carbon disulfide	ND		0.0056	11	1	10/06/09 18:18	MCB	3284352
Carbon tetrachloride	ND		0.0056	0.11	1	10/06/09 18:18	MCB	3284352
Chlorobenzene	ND		0.0056	3	1	10/06/09 18:18	MCB	3284352
Chloroethane	ND		0.0056	0.013	1	10/06/09 18:18	MCB	3284352
Chloroform	ND		0.0056	0.046	1	10/06/09 18:18	MCB	3284352
Chloromethane	ND		0.011	0.1	1	10/06/09 18:18	MCB	3284352
Dibromochloromethane	ND		0.0056	1	1	10/06/09 18:18	MCB	3284352
Ethylbenzene	ND		0.0056	19	1	10/06/09 18:18	MCB	3284352
Hexachloroethane	ND		0.0056	0.17	1	10/06/09 18:18	MCB	3284352
Isobutyl alcohol	ND		0.11	30	1	10/06/09 18:18	MCB	3284352
Methyl tert-butyl ether	ND		0.0056	0.077	1	10/06/09 18:18	MCB	3284352
Methylene chloride	ND		0.011	0.017	1	10/06/09 18:18	MCB	3284352
Styrene	ND		0.0056	11	1	10/06/09 18:18	MCB	3284352
Tetrachloroethene	ND		0.0056	0.18	1	10/06/09 18:18	MCB	3284352
Toluene	ND		0.0056	20	1	10/06/09 18:18	MCB	3284352
Trichloroethene	ND		0.0056	0.073	1	10/06/09 18:18	MCB	3284352
Trichlorofluoromethane	ND		0.0056	37	1	10/06/09 18:18	MCB	3284352
Vinyl chloride	ND		0.0056	0.013	1	10/06/09 18:18	MCB	3284352
cis-1,3-Dichloropropene	ND		0.0056	0.04	1	10/06/09 18:18	MCB	3284352
trans-1,3-Dichloropropene	ND		0.0056	0.04	1	10/06/09 18:18	MCB	3284352

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TNTC - Too numerous to count
>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: S-3514ACE-B11-0-3 **Collected:** 10/05/2009 14:10 **SPL Sample ID:** 09100232-05

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.0056	0.49	1	10/06/09 18:18	MCB	3284352
trans-1,2-Dichloroethene	ND			0.0056	0.77	1	10/06/09 18:18	MCB	3284352
m,p-Xylene	ND			0.0056	150	1	10/06/09 18:18	MCB	3284352
o-Xylene	ND			0.0056	150	1	10/06/09 18:18	MCB	3284352
1,3-Dichloropropene,Total	ND			0.0056	0.04	1	10/06/09 18:18	MCB	3284352
1,2-Dichloroethene (total)	ND			0.0056	0.49	1	10/06/09 18:18	MCB	3284352
Xylenes,Total	ND			0.0056	150	1	10/06/09 18:18	MCB	3284352
Surr: 1,2-Dichloroethane-d4	88.5		%	50-166		1	10/06/09 18:18	MCB	3284352
Surr: 4-Bromofluorobenzene	87.9		%	79-123		1	10/06/09 18:18	MCB	3284352
Surr: Toluene-d8	97.0		%	62-146		1	10/06/09 18:18	MCB	3284352

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/06/2009 13:04	hbo	1.11

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SCOTT, LA 70583
(337) 237-4775

Client Sample ID: S-3514ACE-B12-0-3 **Collected:** 10/05/2009 14:30 **SPL Sample ID:** 09100232-06

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL BY COLD VAPOR				**MCL**	**SW7471B**	**Units: mg/Kg**	
Mercury	ND		0.1	1	10/07/09 10:05	PFB	3284867

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7471A	10/07/2009 7:00	PFB	1.00

METALS BY METHOD 6020 (ICP/MS), TOTAL				MCL	SW6020	Units: mg/Kg	
Antimony	ND		0.25	2.5	10/14/09 18:15	RJD	3295913
Arsenic	ND		2	5	10/08/09 15:59	RJD	3287726
Barium	185		5	5	10/08/09 15:59	RJD	3287726
Beryllium	0.535		0.5	2.5	10/14/09 18:15	RJD	3295913
Cadmium	ND		1	5	10/08/09 15:59	RJD	3287726
Chromium	2.71		2	5	10/08/09 15:59	RJD	3287726
Cobalt	2.24		0.5	2.5	10/14/09 18:15	RJD	3295913
Copper	2.1		0.5	2.5	10/14/09 18:15	RJD	3295913
Lead	6.33		0.5	5	10/08/09 15:59	RJD	3287726
Nickel	3.96		0.5	2.5	10/14/09 18:15	RJD	3295913
Selenium	ND		5	5	10/08/09 15:59	RJD	3287726
Silver	ND		0.5	5	10/08/09 15:59	RJD	3287726
Thallium	ND		5	2.5	10/14/09 18:15	RJD	3295913
Vanadium	4.42		2.5	2.5	10/14/09 18:15	RJD	3295913
Zinc	19.5		2.5	2.5	10/14/09 18:15	RJD	3295913

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	10/06/2009 13:15	SA	1.00

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Client Sample ID: S-3514ACE-B12-0-3 **Collected:** 10/05/2009 14:30 **SPL Sample ID:** 09100232-06

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ORGANOCHLORINE PESTICIDES BY METHOD 8081B - SOIL			**MCL**	**SW8081**	**Units: mg/Kg**		
4,4´-DDD	ND		0.0017	1	10/09/09 13:48	LDD	3289693
4,4´-DDE	ND		0.0017	1	10/09/09 13:48	LDD	3289693
4,4´-DDT	ND		0.0017	1	10/09/09 13:48	LDD	3289693
Aldrin	ND		0.0017	1	10/09/09 13:48	LDD	3289693
alpha-BHC	ND		0.0017	1	10/09/09 13:48	LDD	3289693
alpha-Chlordane	ND		0.0017	1	10/09/09 13:48	LDD	3289693
beta-BHC	ND		0.0017	1	10/09/09 13:48	LDD	3289693
Chlordane	ND		0.0067	1	10/09/09 13:48	LDD	3289693
delta-BHC	ND		0.0017	1	10/09/09 13:48	LDD	3289693
Dieldrin	ND		0.0017	1	10/09/09 13:48	LDD	3289693
Endosulfan I	ND		0.0017	1	10/09/09 13:48	LDD	3289693
Endosulfan II	ND		0.0017	1	10/09/09 13:48	LDD	3289693
Endosulfan sulfate	ND		0.0017	1	10/09/09 13:48	LDD	3289693
Endrin	ND		0.0017	1	10/09/09 13:48	LDD	3289693
Endrin aldehyde	ND		0.0017	1	10/09/09 13:48	LDD	3289693
Endrin ketone	ND		0.0017	1	10/09/09 13:48	LDD	3289693
gamma-BHC	ND		0.0017	1	10/09/09 13:48	LDD	3289693
gamma-Chlordane	ND		0.0017	1	10/09/09 13:48	LDD	3289693
Heptachlor	ND		0.0017	1	10/09/09 13:48	LDD	3289693
Heptachlor epoxide	ND		0.0017	1	10/09/09 13:48	LDD	3289693
Methoxychlor	ND		0.0017	1	10/09/09 13:48	LDD	3289693
Toxaphene	ND		0.17	1	10/09/09 13:48	LDD	3289693
Surr: Decachlorobiphenyl	92.9	%	10-180	1	10/09/09 13:48	LDD	3289693
Surr: Tetrachloro-m-xylene	88.7	%	10-157	1	10/09/09 13:48	LDD	3289693

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 17:04	TCM	1.00

POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL			**MCL**	**SW8082**	**Units: mg/Kg**		
Aroclor 1016	ND		0.033	1	10/08/09 7:04	LDD	3287833
Aroclor 1221	ND		0.033	1	10/08/09 7:04	LDD	3287833
Aroclor 1232	ND		0.033	1	10/08/09 7:04	LDD	3287833
Aroclor 1242	ND		0.033	1	10/08/09 7:04	LDD	3287833
Aroclor 1248	ND		0.033	1	10/08/09 7:04	LDD	3287833
Aroclor 1254	ND		0.033	1	10/08/09 7:04	LDD	3287833
Aroclor 1260	ND		0.033	1	10/08/09 7:04	LDD	3287833
Surr: Decachlorobiphenyl	101	%	10-187	1	10/08/09 7:04	LDD	3287833
Surr: Tetrachloro-m-xylene	96.7	%	10-153	1	10/08/09 7:04	LDD	3287833

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(337) 237-4775

Client Sample ID: S-3514ACE-B12-0-3 **Collected:** 10/05/2009 14:30 **SPL Sample ID:** 09100232-06

Site: **SEABROOK BOAT LAUNCH**

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

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 17:05	TCM	1.00

RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				MCL	SW8015C	Units: mg/Kg	
Diesel Range Organics (C10-C28)	ND		10	1	10/09/09 3:10	E_G	3288840
Surr: o-Terphenyl	71.0	%	12-145	1	10/09/09 3:10	E_G	3288840

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 15:42	TCM	1.00

RECAP GASOLINE RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Gasoline Range Organics (C6-C10)	ND		5	50	10/06/09 23:04	KJ	3284122
Surr: 1,4-Difluorobenzene	99.5	%	56-151	50	10/06/09 23:04	KJ	3284122
Surr: 4-Bromofluorobenzene	116	%	55-148	50	10/06/09 23:04	KJ	3284122

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/06/2009 12:39	JBD	1.00

RECAP OIL RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Oil Range Organics (C28-C35)	ND		10	1	10/09/09 3:10	E_G	3289014
Surr: o-Terphenyl	70.9	%	10-148	1	10/09/09 3:10	E_G	3289014

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 15:44	TCM	1.00

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Client Sample ID: S-3514ACE-B12-0-3 **Collected:** 10/05/2009 14:30 **SPL Sample ID:** 09100232-06

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP SEMIVOLATILE ORGANICS BY EPA 8270D				**MCL**		**SW8270D**	**Units: mg/Kg**	
1,1-Biphenyl	ND		1.6	190	5	10/08/09 19:28	KTK	3288175
1,2,4,5-Tetrachlorobenzene	ND		0.85	1.1	5	10/08/09 19:28	KTK	3288175
1,2,4-Trichlorobenzene	ND		0.85	14	5	10/08/09 19:28	KTK	3288175
1,3-Dinitrobenzene	ND		0.85	0.25	5	10/08/09 19:28	KTK	3288175
2,3,4,6-Tetrachlorophenol	ND		0.85	31	5	10/08/09 19:28	KTK	3288175
2,4,5-Trichlorophenol	ND		0.85	320	5	10/08/09 19:28	KTK	3288175
2,4,6-Trichlorophenol	ND		0.85	1.3	5	10/08/09 19:28	KTK	3288175
2,4-Dichlorophenol	ND		0.85	12	5	10/08/09 19:28	KTK	3288175
2,4-Dimethylphenol	ND		0.85	20	5	10/08/09 19:28	KTK	3288175
2,4-Dinitrophenol	ND		3.3	1.7	5	10/08/09 19:28	KTK	3288175
2,4-Dinitrotoluene	ND		0.85	1	5	10/08/09 19:28	KTK	3288175
2,6-Dinitrotoluene	ND		0.85	0.39	5	10/08/09 19:28	KTK	3288175
2-Chloronaphthalene	ND		0.85	370	5	10/08/09 19:28	KTK	3288175
2-Chlorophenol	ND		0.85	1.4	5	10/08/09 19:28	KTK	3288175
2-Methylnaphthalene	ND		0.85	1.7	5	10/08/09 19:28	KTK	3288175
2-Nitroaniline	ND		1.6	1.7	5	10/08/09 19:28	KTK	3288175
3,3´-Dichlorobenzidine	ND		0.85	0.9	5	10/08/09 19:28	KTK	3288175
3-Nitroaniline	ND		1.6	1.7	5	10/08/09 19:28	KTK	3288175
4-Chloroaniline	ND		0.85	1.5	5	10/08/09 19:28	KTK	3288175
4-Nitroaniline	ND		1.6	1.7	5	10/08/09 19:28	KTK	3288175
4-Nitrophenol	ND		3.3	2.6	5	10/08/09 19:28	KTK	3288175
Acenaphthene	ND		0.85	220	5	10/08/09 19:28	KTK	3288175
Acenaphthylene	ND		0.85	88	5	10/08/09 19:28	KTK	3288175
Aniline	ND		0.32	0.065	5	10/08/09 19:28	KTK	3288175
Anthracene	1.3		0.85	120	5	10/08/09 19:28	KTK	3288175
Benz(a)anthracene	3.6		0.85	330	5	10/08/09 19:28	KTK	3288175
Benzo(a)pyrene	**4.8**	**>MCL**	**0.85**	**0.33**	**5**	**10/08/09 19:28**	**KTK**	**3288175**
Benzo(b)fluoranthene	**7.1**	**>MCL**	**0.85**	**0.62**	**5**	**10/08/09 19:28**	**KTK**	**3288175**
Benzo(k)fluoranthene	2.1		0.85	6.2	5	10/08/09 19:28	KTK	3288175
Bis(2-chloroethyl)ether	ND		0.85	0.33	5	10/08/09 19:28	KTK	3288175
Bis(2-chloroisopropyl)ether	ND		0.85	0.8	5	10/08/09 19:28	KTK	3288175
Bis(2-ethylhexyl)phthalate	ND		0.85	32	5	10/08/09 19:28	KTK	3288175
Butyl benzyl phthalate	ND		0.85	220	5	10/08/09 19:28	KTK	3288175
Chrysene	4.7		0.85	62	5	10/08/09 19:28	KTK	3288175
Dibenz(a,h)anthracene	**0.96**	**>MCL**	**0.85**	**0.33**	**5**	**10/08/09 19:28**	**KTK**	**3288175**
Dibenzofuran	ND		0.85	21	5	10/08/09 19:28	KTK	3288175
Diethyl phthalate	ND		0.85	360	5	10/08/09 19:28	KTK	3288175
Dimethyl phthalate	ND		0.85	1500	5	10/08/09 19:28	KTK	3288175
Di-n-octyl phthalate	ND		0.85	110	5	10/08/09 19:28	KTK	3288175

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Client Sample ID: S-3514ACE-B12-0-3 **Collected:** 10/05/2009 14:30 **SPL Sample ID:** 09100232-06

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
Fluoranthene	9.1			0.85	220	5	10/08/09 19:28	KTK	3288175
Fluorene	1.7			0.85	230	5	10/08/09 19:28	KTK	3288175
Hexachlorobenzene	ND			0.85	0.33	5	10/08/09 19:28	KTK	3288175
Hexachlorobutadiene	ND			0.85	0.77	5	10/08/09 19:28	KTK	3288175
Hexachlorocyclopentadiene	ND			1.6	0.51	5	10/08/09 19:28	KTK	3288175
Indeno(1,2,3-cd)pyrene	**3.4**	**>MCL**		**0.85**	**0.62**	**5**	**10/08/09 19:28**	**KTK**	**3288175**
Isophorone	ND			0.85	0.56	5	10/08/09 19:28	KTK	3288175
Naphthalene	ND			0.85	1.5	5	10/08/09 19:28	KTK	3288175
Nitrobenzene	ND			0.85	0.33	5	10/08/09 19:28	KTK	3288175
N-Nitrosodi-n-propylamine	ND			0.85	0.33	5	10/08/09 19:28	KTK	3288175
N-Nitrosodiphenylamine	ND			0.85	2.1	5	10/08/09 19:28	KTK	3288175
Pentachlorophenol	ND			3.3	1.7	5	10/08/09 19:28	KTK	3288175
Phenanthrene	8.1			0.85	660	5	10/08/09 19:28	KTK	3288175
Phenol	ND			0.85	22	5	10/08/09 19:28	KTK	3288175
Pyrene	7.1			0.85	230	5	10/08/09 19:28	KTK	3288175
Surr: 2,4,6-Tribromophenol	92.5		%	10-170		5	10/08/09 19:28	KTK	3288175
Surr: 2-Fluorobiphenyl	103		%	35-116		5	10/08/09 19:28	KTK	3288175
Surr: 2-Fluorophenol	84.1		%	16-139		5	10/08/09 19:28	KTK	3288175
Surr: 4-Terphenyl-d14	100		%	30-145		5	10/08/09 19:28	KTK	3288175
Surr: Nitrobenzene-d5	82.8		%	10-152		5	10/08/09 19:28	KTK	3288175
Surr: Phenol-d5	96.7		%	17-151		5	10/08/09 19:28	KTK	3288175

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/06/2009 13:08	TCM	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: S-3514ACE-B12-0-3 **Collected:** 10/05/2009 14:30 **SPL Sample ID:** 09100232-06

Site: SEABROOK BOAT LAUNCH

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		0.0053	2.7	1	10/06/09 18:46	MCB	3284353
1,1,1-Trichloroethane	ND		0.0053	4	1	10/06/09 18:46	MCB	3284353
1,1,2,2-Tetrachloroethane	ND		0.0021	0.006	1	10/06/09 18:46	MCB	3284353
1,1,2-Trichloroethane	ND		0.0053	0.058	1	10/06/09 18:46	MCB	3284353
1,1-Dichloroethane	ND		0.0053	7.5	1	10/06/09 18:46	MCB	3284353
1,1-Dichloroethene	ND		0.0053	0.085	1	10/06/09 18:46	MCB	3284353
1,2-Dibromo-3-chloropropane	ND		0.0032	0.01	1	10/06/09 18:46	MCB	3284353
1,2-Dichlorobenzene	ND		0.0053	18	1	10/06/09 18:46	MCB	3284353
1,2-Dichloroethane	ND		0.0053	0.035	1	10/06/09 18:46	MCB	3284353
1,2-Dichloropropane	ND		0.0053	0.042	1	10/06/09 18:46	MCB	3284353
1,3-Dichlorobenzene	ND		0.0053	2.3	1	10/06/09 18:46	MCB	3284353
1,4-Dichlorobenzene	ND		0.0053	5.7	1	10/06/09 18:46	MCB	3284353
2-Butanone	ND		0.021	5	1	10/06/09 18:46	MCB	3284353
4-Methyl-2-pentanone	ND		0.011	0.45	1	10/06/09 18:46	MCB	3284353
Acetone	ND		0.11	1.5	1	10/06/09 18:46	MCB	3284353
Benzene	ND		0.0053	0.051	1	10/06/09 18:46	MCB	3284353
Bromodichloromethane	ND		0.0053	0.92	1	10/06/09 18:46	MCB	3284353
Bromoform	ND		0.0053	1.8	1	10/06/09 18:46	MCB	3284353
Bromomethane	ND		0.011	0.035	1	10/06/09 18:46	MCB	3284353
Carbon disulfide	ND		0.0053	11	1	10/06/09 18:46	MCB	3284353
Carbon tetrachloride	ND		0.0053	0.11	1	10/06/09 18:46	MCB	3284353
Chlorobenzene	ND		0.0053	3	1	10/06/09 18:46	MCB	3284353
Chloroethane	ND		0.0053	0.013	1	10/06/09 18:46	MCB	3284353
Chloroform	ND		0.0053	0.046	1	10/06/09 18:46	MCB	3284353
Chloromethane	ND		0.011	0.1	1	10/06/09 18:46	MCB	3284353
Dibromochloromethane	ND		0.0053	1	1	10/06/09 18:46	MCB	3284353
Ethylbenzene	ND		0.0053	19	1	10/06/09 18:46	MCB	3284353
Hexachloroethane	ND		0.0053	0.17	1	10/06/09 18:46	MCB	3284353
Isobutyl alcohol	ND		0.11	30	1	10/06/09 18:46	MCB	3284353
Methyl tert-butyl ether	ND		0.0053	0.077	1	10/06/09 18:46	MCB	3284353
Methylene chloride	ND		0.011	0.017	1	10/06/09 18:46	MCB	3284353
Styrene	ND		0.0053	11	1	10/06/09 18:46	MCB	3284353
Tetrachloroethene	ND		0.0053	0.18	1	10/06/09 18:46	MCB	3284353
Toluene	ND		0.0053	20	1	10/06/09 18:46	MCB	3284353
Trichloroethene	ND		0.0053	0.073	1	10/06/09 18:46	MCB	3284353
Trichlorofluoromethane	ND		0.0053	37	1	10/06/09 18:46	MCB	3284353
Vinyl chloride	ND		0.0053	0.013	1	10/06/09 18:46	MCB	3284353
cis-1,3-Dichloropropene	ND		0.0053	0.04	1	10/06/09 18:46	MCB	3284353
trans-1,3-Dichloropropene	ND		0.0053	0.04	1	10/06/09 18:46	MCB	3284353

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

Client Sample ID: S-3514ACE-B12-0-3 **Collected:** 10/05/2009 14:30 **SPL Sample ID:** 09100232-06

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.0053	0.49	1	10/06/09 18:46	MCB	3284353
trans-1,2-Dichloroethene	ND			0.0053	0.77	1	10/06/09 18:46	MCB	3284353
m,p-Xylene	ND			0.0053	150	1	10/06/09 18:46	MCB	3284353
o-Xylene	ND			0.0053	150	1	10/06/09 18:46	MCB	3284353
1,3-Dichloropropene,Total	ND			0.0053	0.04	1	10/06/09 18:46	MCB	3284353
1,2-Dichloroethene (total)	ND			0.0053	0.49	1	10/06/09 18:46	MCB	3284353
Xylenes,Total	ND			0.0053	150	1	10/06/09 18:46	MCB	3284353
Surr: 1,2-Dichloroethane-d4	99.9		%	50-166		1	10/06/09 18:46	MCB	3284353
Surr: 4-Bromofluorobenzene	98.3		%	79-123		1	10/06/09 18:46	MCB	3284353
Surr: Toluene-d8	99.0		%	62-146		1	10/06/09 18:46	MCB	3284353

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/06/2009 12:38	JBD	1.06

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SCOTT, LA 70583
(337) 237-4775

Client Sample ID: W-3514ACE-TB-10-5-09 **Collected:** 10/05/2009 16:00 **SPL Sample ID:** 09100232-07

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP GASOLINE RANGE ORGANICS					**MCL**	**SW8015C**	**Units: mg/L**	
Gasoline Range Organics (C6-C10)	ND			0.1	1	10/06/09 23:37	KJ	3284141
Surr: 1,4-Difluorobenzene	95.0		%	69-137	1	10/06/09 23:37	KJ	3284141
Surr: 4-Bromofluorobenzene	114		%	81-119	1	10/06/09 23:37	KJ	3284141

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SCOTT, LA 70583
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Client Sample ID: W-3514ACE-TB-10-5-09 **Collected:** 10/05/2009 16:00 **SPL Sample ID:** 09100232-07

Site: **SEABROOK BOAT LAUNCH**

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	10/06/09 16:39	MCB	3284306
1,1,1-Trichloroethane	ND		0.005	0.2	1	10/06/09 16:39	MCB	3284306
1,1,2,2-Tetrachloroethane	ND		0.0005	0.0005	1	10/06/09 16:39	MCB	3284306
1,1,2-Trichloroethane	ND		0.005	0.005	1	10/06/09 16:39	MCB	3284306
1,1-Dichloroethane	ND		0.005	0.081	1	10/06/09 16:39	MCB	3284306
1,1-Dichloroethene	ND		0.005	0.007	1	10/06/09 16:39	MCB	3284306
1,2-Dibromo-3-chloropropane	ND		0.001	0.0002	1	10/06/09 16:39	MCB	3284306
1,2-Dichlorobenzene	ND		0.001	0.6	1	10/06/09 16:39	MCB	3284306
1,2-Dichloroethane	ND		0.005	0.005	1	10/06/09 16:39	MCB	3284306
1,2-Dichloropropane	ND		0.002	0.005	1	10/06/09 16:39	MCB	3284306
1,3-Dichlorobenzene	ND		0.001	0.01	1	10/06/09 16:39	MCB	3284306
1,4-Dichlorobenzene	ND		0.001	0.075	1	10/06/09 16:39	MCB	3284306
2-Butanone	ND		0.01	0.19	1	10/06/09 16:39	MCB	3284306
4-Methyl-2-pentanone	ND		0.01	0.2	1	10/06/09 16:39	MCB	3284306
Acetone	ND		0.05	0.1	1	10/06/09 16:39	MCB	3284306
Benzene	ND		0.005	0.005	1	10/06/09 16:39	MCB	3284306
Bromodichloromethane	ND		0.005	0.1	1	10/06/09 16:39	MCB	3284306
Bromoform	ND		0.005	0.1	1	10/06/09 16:39	MCB	3284306
Bromomethane	ND		0.01	0.01	1	10/06/09 16:39	MCB	3284306
Carbon disulfide	ND		0.005	0.1	1	10/06/09 16:39	MCB	3284306
Carbon tetrachloride	ND		0.005	0.005	1	10/06/09 16:39	MCB	3284306
Chlorobenzene	ND		0.005	0.1	1	10/06/09 16:39	MCB	3284306
Chloroethane	ND		0.005	0.01	1	10/06/09 16:39	MCB	3284306
Chloroform	ND		0.005	0.1	1	10/06/09 16:39	MCB	3284306
Chloromethane	ND		0.005	0.01	1	10/06/09 16:39	MCB	3284306
Dibromochloromethane	ND		0.005	0.1	1	10/06/09 16:39	MCB	3284306
Ethylbenzene	ND		0.005	0.7	1	10/06/09 16:39	MCB	3284306
Hexachloroethane	ND		0.005	0.01	1	10/06/09 16:39	MCB	3284306
Isobutyl alcohol	ND		0.1	1.1	1	10/06/09 16:39	MCB	3284306
Methyl tert-butyl ether	ND		0.001	0.02	1	10/06/09 16:39	MCB	3284306
Methylene chloride	ND		0.005	0.005	1	10/06/09 16:39	MCB	3284306
Styrene	ND		0.005	0.1	1	10/06/09 16:39	MCB	3284306
Tetrachloroethene	ND		0.005	0.005	1	10/06/09 16:39	MCB	3284306
Toluene	ND		0.005	1	1	10/06/09 16:39	MCB	3284306
Trichloroethene	ND		0.005	0.005	1	10/06/09 16:39	MCB	3284306
Trichlorofluoromethane	ND		0.005	0.13	1	10/06/09 16:39	MCB	3284306
Vinyl chloride	ND		0.001	0.002	1	10/06/09 16:39	MCB	3284306
cis-1,3-Dichloropropene	ND		0.003	0.005	1	10/06/09 16:39	MCB	3284306
trans-1,3-Dichloropropene	ND		0.003	0.005	1	10/06/09 16:39	MCB	3284306

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SCOTT, LA 70583
(337) 237-4775

Client Sample ID: W-3514ACE-TB-10-5-09 **Collected:** 10/05/2009 16:00 **SPL Sample ID:** 09100232-07

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.005	0.07	1	10/06/09 16:39	MCB	3284306
trans-1,2-Dichloroethene	ND			0.005	0.1	1	10/06/09 16:39	MCB	3284306
m,p-Xylene	ND			0.005	10	1	10/06/09 16:39	MCB	3284306
o-Xylene	ND			0.005	10	1	10/06/09 16:39	MCB	3284306
1,3-Dichloropropene,Total	ND			0.005	0.005	1	10/06/09 16:39	MCB	3284306
1,2-Dichloroethene (total)	ND			0.005	0.07	1	10/06/09 16:39	MCB	3284306
Xylenes,Total	ND			0.005	10	1	10/06/09 16:39	MCB	3284306
Surr: 1,2-Dichloroethane-d4	96.5		%	75-120		1	10/06/09 16:39	MCB	3284306
Surr: 4-Bromofluorobenzene	99.1		%	89-109		1	10/06/09 16:39	MCB	3284306
Surr: Toluene-d8	99.3		%	89-110		1	10/06/09 16:39	MCB	3284306

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500 AMBASSADOR CAFFERY PARKWAY
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Client Sample ID: WA-3514ACE-COMP1 **Collected:** 10/05/2009 13:00 **SPL Sample ID:** 09100232-08

Site: **SEABROOK BOAT LAUNCH**

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	10/27/09 6:59	LDD	3315004
2,4-D	ND			0.01	10	1	10/27/09 6:59	LDD	3315004
Surr: DCAA	55.2		%	42-118		1	10/27/09 6:59	LDD	3315004

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	10/22/2009 13:56	DB	1.00	SW1311	10/21/2009	KT

TCLP MERCURY					**MCL**	**SW7470A**	**Units: mg/L**		
Mercury	ND			0.02	0.2	1	10/22/09 18:19	PFB	3308747

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW7470A	10/22/2009 11:00	PFB	1.00	SW1311	10/21/2009	KT

TCLP METALS BY METHOD 6010B					**MCL**	**SW6010B**	**Units: mg/L**		
Arsenic	ND			0.2	5	1	10/24/09 16:53	SVW	3311428
Barium	1.01			0.25	100	1	10/24/09 16:53	SVW	3311428
Cadmium	ND			0.1	1	1	10/24/09 16:53	SVW	3311428
Chromium	ND			0.1	5	1	10/24/09 16:53	SVW	3311428
Lead	ND			0.2	5	1	10/24/09 16:53	SVW	3311428
Selenium	ND			0.2	1	1	10/24/09 16:53	SVW	3311428
Silver	ND			0.1	5	1	10/24/09 16:53	SVW	3311582

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3010A	10/22/2009 17:00	SA	1.00	SW1311	10/21/2009	KT

TCLP ORGANOCHLORINE PESTICIDES BY EPA 8081B					**MCL**	**SW8081**	**Units: mg/L**		
Chlordane	ND			0.002	0.03	1	10/25/09 8:08	LDD	3312767
Endrin	ND			0.0005	0.02	1	10/25/09 8:08	LDD	3312767
gamma-BHC	ND			0.0005	0.4	1	10/25/09 8:08	LDD	3312767
Heptachlor	ND			0.0005	0.008	1	10/25/09 8:08	LDD	3312767
Heptachlor epoxide	ND			0.0005	0.008	1	10/25/09 8:08	LDD	3312767
Methoxychlor	ND			0.0005	10	1	10/25/09 8:08	LDD	3312767
Toxaphene	ND			0.05	0.5	1	10/25/09 8:08	LDD	3312767
Surr: Decachlorobiphenyl	78.3		%	16-134		1	10/25/09 8:08	LDD	3312767
Surr: Tetrachloro-m-xylene	91.7		%	20-151		1	10/25/09 8:08	LDD	3312767

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	10/22/2009 12:40	JB	1.00	SW1311	10/21/2009	KT

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Client Sample ID: WA-3514ACE-COMP1 **Collected:** 10/05/2009 13:00 **SPL Sample ID:** 09100232-08

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
TCLP SEMIVOLATILE ORGANICS BY EPA 8270D					**MCL**		**SW8270D**	**Units: mg/L**	
1,4-Dichlorobenzene	ND			0.05	7.5	1	10/23/09 16:06	KTK	3310505
2,4,5-Trichlorophenol	ND			0.05	400	1	10/23/09 16:06	KTK	3310505
2,4,6-Trichlorophenol	ND			0.05	2	1	10/23/09 16:06	KTK	3310505
2,4-Dinitrotoluene	ND			0.05	0.13	1	10/23/09 16:06	KTK	3310505
Hexachlorobenzene	ND			0.05	0.13	1	10/23/09 16:06	KTK	3310505
Hexachlorobutadiene	ND			0.05	0.5	1	10/23/09 16:06	KTK	3310505
Hexachloroethane	ND			0.05	3	1	10/23/09 16:06	KTK	3310505
Nitrobenzene	ND			0.05	2	1	10/23/09 16:06	KTK	3310505
Pentachlorophenol	ND			0.2	100	1	10/23/09 16:06	KTK	3310505
Pyridine	ND			0.05	5	1	10/23/09 16:06	KTK	3310505
m,p-Cresols	ND			0.05	200	1	10/23/09 16:06	KTK	3310505
o-Cresol	ND			0.05	200	1	10/23/09 16:06	KTK	3310505
Surr: 2,4,6-Tribromophenol	77.0		%	39-152		1	10/23/09 16:06	KTK	3310505
Surr: 2-Fluorobiphenyl	84.5		%	41-125		1	10/23/09 16:06	KTK	3310505
Surr: 2-Fluorophenol	43.7		%	10-114		1	10/23/09 16:06	KTK	3310505
Surr: 4-Terphenyl-d14	90.4		%	34-135		1	10/23/09 16:06	KTK	3310505
Surr: Nitrobenzene-d5	61.2		%	36-126		1	10/23/09 16:06	KTK	3310505
Surr: Phenol-d5	32.8		%	10-84.1		1	10/23/09 16:06	KTK	3310505

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	10/22/2009 14:46	DB	1.00	SW1311	10/21/2009	KT

TCLP VOLATILE ORGANICS					**MCL**		**SW8260B**	**Units: mg/L**	
1,1-Dichloroethene	ND			0.05	0.7	10	10/23/09 4:46	MCB	3308982
1,2-Dichloroethane	ND			0.05	0.5	10	10/23/09 4:46	MCB	3308982
2-Butanone	ND			0.1	200	10	10/23/09 4:46	MCB	3308982
Benzene	ND			0.05	0.5	10	10/23/09 4:46	MCB	3308982
Carbon tetrachloride	ND			0.05	0.5	10	10/23/09 4:46	MCB	3308982
Chlorobenzene	ND			0.05	100	10	10/23/09 4:46	MCB	3308982
Chloroform	ND			0.05	6	10	10/23/09 4:46	MCB	3308982
Tetrachloroethene	ND			0.05	0.7	10	10/23/09 4:46	MCB	3308982
Trichloroethene	ND			0.05	0.5	10	10/23/09 4:46	MCB	3308982
Vinyl chloride	ND			0.1	0.2	10	10/23/09 4:46	MCB	3308982
Surr: 1,2-Dichloroethane-d4	98.7		%	71-116		10	10/23/09 4:46	MCB	3308982
Surr: 4-Bromofluorobenzene	101		%	86-109		10	10/23/09 4:46	MCB	3308982
Surr: Toluene-d8	98.8		%	90-109		10	10/23/09 4:46	MCB	3308982

Leach Method	Leachate Date	Leach Initials
SW1311	10/21/2009	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: WA-3514ACE-COMP4 **Collected:** 10/05/2009 15:00 **SPL Sample ID:** 09100232-09

Site: **SEABROOK BOAT LAUNCH**

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	10/27/09 7:32	LDD	3315005
2,4-D	ND			0.01	10	1	10/27/09 7:32	LDD	3315005
Surr: DCAA	68.0		%	42-118		1	10/27/09 7:32	LDD	3315005

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	10/22/2009 13:56	DB	1.00	SW1311	10/21/2009	KT

TCLP MERCURY					**MCL**	**SW7470A**	**Units: mg/L**		
Mercury	ND			0.02	0.2	1	10/22/09 18:35	PFB	3308751

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW7470A	10/22/2009 11:00	PFB	1.00	SW1311	10/21/2009	KT

TCLP METALS BY METHOD 6010B					**MCL**	**SW6010B**	**Units: mg/L**		
Arsenic	ND			0.2	5	1	10/24/09 17:27	SVW	3311435
Barium	1.37			0.25	100	1	10/24/09 17:27	SVW	3311435
Cadmium	ND			0.1	1	1	10/24/09 17:27	SVW	3311435
Chromium	ND			0.1	5	1	10/24/09 17:27	SVW	3311435
Lead	0.297			0.2	5	1	10/24/09 17:27	SVW	3311435
Selenium	ND			0.2	1	1	10/24/09 17:27	SVW	3311435
Silver	ND			0.1	5	1	10/24/09 17:27	SVW	3311589

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3010A	10/22/2009 17:00	SA	1.00	SW1311	10/21/2009	KT

TCLP ORGANOCHLORINE PESTICIDES BY EPA 8081B					**MCL**	**SW8081**	**Units: mg/L**		
Chlordane	ND			0.002	0.03	1	10/25/09 9:22	LDD	3312770
Endrin	ND			0.0005	0.02	1	10/25/09 9:22	LDD	3312770
gamma-BHC	ND			0.0005	0.4	1	10/25/09 9:22	LDD	3312770
Heptachlor	ND			0.0005	0.008	1	10/25/09 9:22	LDD	3312770
Heptachlor epoxide	ND			0.0005	0.008	1	10/25/09 9:22	LDD	3312770
Methoxychlor	ND			0.0005	10	1	10/25/09 9:22	LDD	3312770
Toxaphene	ND			0.05	0.5	1	10/25/09 9:22	LDD	3312770
Surr: Decachlorobiphenyl	80.3		%	16-134		1	10/25/09 9:22	LDD	3312770
Surr: Tetrachloro-m-xylene	92.7		%	20-151		1	10/25/09 9:22	LDD	3312770

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	10/22/2009 12:40	JB	1.00	SW1311	10/21/2009	KT

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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: WA-3514ACE-COMP4 **Collected:** 10/05/2009 15:00 **SPL Sample ID:** 09100232-09

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
TCLP SEMIVOLATILE ORGANICS BY EPA 8270D					**MCL**		**SW8270D**	**Units: mg/L**	
1,4-Dichlorobenzene	ND			0.05	7.5	1	10/23/09 16:26	KTK	3310506
2,4,5-Trichlorophenol	ND			0.05	400	1	10/23/09 16:26	KTK	3310506
2,4,6-Trichlorophenol	ND			0.05	2	1	10/23/09 16:26	KTK	3310506
2,4-Dinitrotoluene	ND			0.05	0.13	1	10/23/09 16:26	KTK	3310506
Hexachlorobenzene	ND			0.05	0.13	1	10/23/09 16:26	KTK	3310506
Hexachlorobutadiene	ND			0.05	0.5	1	10/23/09 16:26	KTK	3310506
Hexachloroethane	ND			0.05	3	1	10/23/09 16:26	KTK	3310506
Nitrobenzene	ND			0.05	2	1	10/23/09 16:26	KTK	3310506
Pentachlorophenol	ND			0.2	100	1	10/23/09 16:26	KTK	3310506
Pyridine	ND			0.05	5	1	10/23/09 16:26	KTK	3310506
m,p-Cresols	ND			0.05	200	1	10/23/09 16:26	KTK	3310506
o-Cresol	ND			0.05	200	1	10/23/09 16:26	KTK	3310506
Surr: 2,4,6-Tribromophenol	67.9		%	39-152		1	10/23/09 16:26	KTK	3310506
Surr: 2-Fluorobiphenyl	88.1		%	41-125		1	10/23/09 16:26	KTK	3310506
Surr: 2-Fluorophenol	38.7		%	10-114		1	10/23/09 16:26	KTK	3310506
Surr: 4-Terphenyl-d14	94.8		%	34-135		1	10/23/09 16:26	KTK	3310506
Surr: Nitrobenzene-d5	65.0		%	36-126		1	10/23/09 16:26	KTK	3310506
Surr: Phenol-d5	32.1		%	10-84.1		1	10/23/09 16:26	KTK	3310506

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	10/22/2009 14:46	DB	1.00	SW1311	10/21/2009	KT

TCLP VOLATILE ORGANICS					**MCL**		**SW8260B**	**Units: mg/L**	
1,1-Dichloroethene	ND			0.05	0.7	10	10/23/09 5:12	MCB	3308983
1,2-Dichloroethane	ND			0.05	0.5	10	10/23/09 5:12	MCB	3308983
2-Butanone	ND			0.1	200	10	10/23/09 5:12	MCB	3308983
Benzene	ND			0.05	0.5	10	10/23/09 5:12	MCB	3308983
Carbon tetrachloride	ND			0.05	0.5	10	10/23/09 5:12	MCB	3308983
Chlorobenzene	ND			0.05	100	10	10/23/09 5:12	MCB	3308983
Chloroform	ND			0.05	6	10	10/23/09 5:12	MCB	3308983
Tetrachloroethene	ND			0.05	0.7	10	10/23/09 5:12	MCB	3308983
Trichloroethene	ND			0.05	0.5	10	10/23/09 5:12	MCB	3308983
Vinyl chloride	ND			0.1	0.2	10	10/23/09 5:12	MCB	3308983
Surr: 1,2-Dichloroethane-d4	102		%	71-116		10	10/23/09 5:12	MCB	3308983
Surr: 4-Bromofluorobenzene	99.3		%	86-109		10	10/23/09 5:12	MCB	3308983
Surr: Toluene-d8	99.5		%	90-109		10	10/23/09 5:12	MCB	3308983

Leach Method	Leachate Date	Leach Initials
SW1311	10/21/2009	KT

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MI - Matrix Interference

LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
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Client Sample ID: W-3514ACE-FB-10-5-09 **Collected:** 10/05/2009 16:05 **SPL Sample ID:** 09100232-10

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP GASOLINE RANGE ORGANICS					**MCL**	**SW8015C**	**Units: mg/L**	
Gasoline Range Organics (C6-C10)	ND			0.1	1	10/07/09 10:40	KJ	3284920
Surr: 1,4-Difluorobenzene	96.1		%	69-137	1	10/07/09 10:40	KJ	3284920
Surr: 4-Bromofluorobenzene	102		%	81-119	1	10/07/09 10:40	KJ	3284920

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Client Sample ID: W-3514ACE-FB-10-5-09 **Collected:** 10/05/2009 16:05 **SPL Sample ID:** 09100232-10

Site: SEABROOK BOAT LAUNCH

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	10/06/09 16:10	MCB	3284305
1,1,1-Trichloroethane	ND		0.005	0.2	1	10/06/09 16:10	MCB	3284305
1,1,2,2-Tetrachloroethane	ND		0.0005	0.0005	1	10/06/09 16:10	MCB	3284305
1,1,2-Trichloroethane	ND		0.005	0.005	1	10/06/09 16:10	MCB	3284305
1,1-Dichloroethane	ND		0.005	0.081	1	10/06/09 16:10	MCB	3284305
1,1-Dichloroethene	ND		0.005	0.007	1	10/06/09 16:10	MCB	3284305
1,2-Dibromo-3-chloropropane	ND		0.001	0.0002	1	10/06/09 16:10	MCB	3284305
1,2-Dichlorobenzene	ND		0.001	0.6	1	10/06/09 16:10	MCB	3284305
1,2-Dichloroethane	ND		0.005	0.005	1	10/06/09 16:10	MCB	3284305
1,2-Dichloropropane	ND		0.002	0.005	1	10/06/09 16:10	MCB	3284305
1,3-Dichlorobenzene	ND		0.001	0.01	1	10/06/09 16:10	MCB	3284305
1,4-Dichlorobenzene	ND		0.001	0.075	1	10/06/09 16:10	MCB	3284305
2-Butanone	ND		0.01	0.19	1	10/06/09 16:10	MCB	3284305
4-Methyl-2-pentanone	ND		0.01	0.2	1	10/06/09 16:10	MCB	3284305
Acetone	ND		0.05	0.1	1	10/06/09 16:10	MCB	3284305
Benzene	ND		0.005	0.005	1	10/06/09 16:10	MCB	3284305
Bromodichloromethane	ND		0.005	0.1	1	10/06/09 16:10	MCB	3284305
Bromoform	ND		0.005	0.1	1	10/06/09 16:10	MCB	3284305
Bromomethane	ND		0.01	0.01	1	10/06/09 16:10	MCB	3284305
Carbon disulfide	ND		0.005	0.1	1	10/06/09 16:10	MCB	3284305
Carbon tetrachloride	ND		0.005	0.005	1	10/06/09 16:10	MCB	3284305
Chlorobenzene	ND		0.005	0.1	1	10/06/09 16:10	MCB	3284305
Chloroethane	ND		0.005	0.01	1	10/06/09 16:10	MCB	3284305
Chloroform	ND		0.005	0.1	1	10/06/09 16:10	MCB	3284305
Chloromethane	ND		0.005	0.01	1	10/06/09 16:10	MCB	3284305
Dibromochloromethane	ND		0.005	0.1	1	10/06/09 16:10	MCB	3284305
Ethylbenzene	ND		0.005	0.7	1	10/06/09 16:10	MCB	3284305
Hexachloroethane	ND		0.005	0.01	1	10/06/09 16:10	MCB	3284305
Isobutyl alcohol	ND		0.1	1.1	1	10/06/09 16:10	MCB	3284305
Methyl tert-butyl ether	ND		0.001	0.02	1	10/06/09 16:10	MCB	3284305
Methylene chloride	ND		0.005	0.005	1	10/06/09 16:10	MCB	3284305
Styrene	ND		0.005	0.1	1	10/06/09 16:10	MCB	3284305
Tetrachloroethene	ND		0.005	0.005	1	10/06/09 16:10	MCB	3284305
Toluene	ND		0.005	1	1	10/06/09 16:10	MCB	3284305
Trichloroethene	ND		0.005	0.005	1	10/06/09 16:10	MCB	3284305
Trichlorofluoromethane	ND		0.005	0.13	1	10/06/09 16:10	MCB	3284305
Vinyl chloride	ND		0.001	0.002	1	10/06/09 16:10	MCB	3284305
cis-1,3-Dichloropropene	ND		0.003	0.005	1	10/06/09 16:10	MCB	3284305
trans-1,3-Dichloropropene	ND		0.003	0.005	1	10/06/09 16:10	MCB	3284305

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SCOTT, LA 70583
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Client Sample ID: W-3514ACE-FB-10-5-09 **Collected:** 10/05/2009 16:05 **SPL Sample ID:** 09100232-10

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.005	0.07	1	10/06/09 16:10	MCB	3284305
trans-1,2-Dichloroethene	ND			0.005	0.1	1	10/06/09 16:10	MCB	3284305
m,p-Xylene	ND			0.005	10	1	10/06/09 16:10	MCB	3284305
o-Xylene	ND			0.005	10	1	10/06/09 16:10	MCB	3284305
1,3-Dichloropropene,Total	ND			0.005	0.005	1	10/06/09 16:10	MCB	3284305
1,2-Dichloroethene (total)	ND			0.005	0.07	1	10/06/09 16:10	MCB	3284305
Xylenes,Total	ND			0.005	10	1	10/06/09 16:10	MCB	3284305
Surr: 1,2-Dichloroethane-d4	97.3		%	75-120		1	10/06/09 16:10	MCB	3284305
Surr: 4-Bromofluorobenzene	98.6		%	89-109		1	10/06/09 16:10	MCB	3284305
Surr: Toluene-d8	99.3		%	89-110		1	10/06/09 16:10	MCB	3284305

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Quality Control Documentation

LAFAYETTE LABORATORY
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SCOTT, LA 70583
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: RECAP Diesel Range Organics by Method 8015C
Method: SW8015C
WorkOrder: 09100232
Lab Batch ID: 83743

Method Blank

RunID: TPHC_091008A-3288828 Units: mg/Kg
Analysis Date: 10/08/2009 18:41 Analyst: E_G
Preparation Date: 10/06/2009 15:42 Prep By: TCM Method SW3550C

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	10
Surr: o-Terphenyl	77.2	12-145

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100232-01B	S-3514ACE-B1-0-3
09100232-02B	S-3514ACE-B2-0-3
09100232-03B	S-3514ACE-B3-0-3
09100232-04B	S-3514ACE-B10-0-3
09100232-05B	S-3514ACE-B11-0-3
09100232-06B	S-3514ACE-B12-0-3

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

RunID: TPHC_091008A-3288829 Units: mg/Kg
Analysis Date: 10/08/2009 19:01 Analyst: E_G
Preparation Date: 10/06/2009 15:42 Prep By: TCM Method SW3550C

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	69.0	69.0	100	75.9	75.9	9.5	36	48	113
Surr: o-Terphenyl	1.67	0.658	39.5	1.67	0.842	50.5	24.6	30	12	145

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

Sample Spiked: 09100232-01
RunID: TPHC_091008A-3288841 Units: mg/Kg
Analysis Date: 10/09/2009 3:30 Analyst: E_G
Preparation Date: 10/06/2009 15:42 Prep By: TCM Method SW3550C

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)	27.0	100	104	76.5	100	96.8	69.8	6.72	42	12	148
Surr: o-Terphenyl	ND	1.67	0.888	53.3	1.67	0.957	57.4	7.49	30	12	145

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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
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.

3514ACE PROPOSED SEABROOK GATE

Analysis: RECAP Oil Range Organics
Method: SW8015C
WorkOrder: 09100232
Lab Batch ID: 83747

Method Blank

RunID: TPHC_091008B-3289002 Units: mg/Kg
Analysis Date: 10/08/2009 18:41 Analyst: E_G
Preparation Date: 10/06/2009 15:44 Prep By: TCM Method SW3550C

Analyte	Result	Rep Limit
Oil Range Organics (C28-C35)	ND	10
Surr: o-Terphenyl	77.2	10-148

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100232-01B	S-3514ACE-B1-0-3
09100232-02B	S-3514ACE-B2-0-3
09100232-03B	S-3514ACE-B3-0-3
09100232-04B	S-3514ACE-B10-0-3
09100232-05B	S-3514ACE-B11-0-3
09100232-06B	S-3514ACE-B12-0-3

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

RunID: TPHC_091008B-3289003 Units: mg/Kg
Analysis Date: 10/08/2009 19:41 Analyst: E_G
Preparation Date: 10/06/2009 15:44 Prep By: TCM Method SW3550C

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)	45.7	37.0	81.0	45.7	40.2	87.9	8.1	37	25	137
Surr: o-Terphenyl	1.67	1.22	73.3	1.67	1.31	78.3	6.5	30	10	148

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

Sample Spiked: 09100232-01
RunID: TPHC_091008B-3289015 Units: mg/Kg
Analysis Date: 10/09/2009 4:09 Analyst: E_G
Preparation Date: 10/06/2009 15:44 Prep By: TCM Method SW3550C

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)	20.0	45.7	53.9	74.2	45.7	61.9	91.7	13.8	36	36	120
Surr: o-Terphenyl	ND	1.67	1.21	72.2	1.67	1.31	78.4	8.17	30	10	148

Qualifiers:
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Organochlorine Pesticides by Method 8081B - soil** **WorkOrder:** **09100232**
Method: **SW8081** **Lab Batch ID:** **83749**

Method Blank

RunID: GCSVE5_091008A-3288770 Units: mg/Kg
Analysis Date: 10/09/2009 8:03 Analyst: LDD
Preparation Date: 10/06/2009 17:04 Prep By: TCM Method SW3550C

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
alpha-Chlordane	ND	0.0017
beta-BHC	ND	0.0017
Chlordane	ND	0.0067
delta-BHC	ND	0.0017
Dieldrin	ND	0.0017
Endosulfan I	ND	0.0017
Endosulfan II	ND	0.0017
Endosulfan sulfate	ND	0.0017
Endrin	ND	0.0017
Endrin aldehyde	ND	0.0017
Endrin ketone	ND	0.0017
gamma-BHC	ND	0.0017
gamma-Chlordane	ND	0.0017
Heptachlor	ND	0.0017
Heptachlor epoxide	ND	0.0017
Methoxychlor	ND	0.0017
Toxaphene	ND	0.17
Surr: Decachlorobiphenyl	94.7	10-180
Surr: Tetrachloro-m-xylene	85.5	10-157

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100232-01B	S-3514ACE-B1-0-3
09100232-02B	S-3514ACE-B2-0-3
09100232-03B	S-3514ACE-B3-0-3
09100232-04B	S-3514ACE-B10-0-3
09100232-05B	S-3514ACE-B11-0-3
09100232-06B	S-3514ACE-B12-0-3

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

RunID: GCSVE5_091008A-328877 Units: mg/Kg
Analysis Date: 10/09/2009 8:28 Analyst: LDD
Preparation Date: 10/06/2009 17:04 Prep By: TCM Method SW3550C

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	0.00695	83.8	0.00830	0.00701	84.5	0.8	38	51	124
4,4´-DDE	0.00830	0.00687	82.8	0.00830	0.00703	84.8	2.3	35	57	121
4,4´-DDT	0.00830	0.00727	87.6	0.00830	0.00755	90.9	3.7	45	32	160
Aldrin	0.00830	0.00674	81.2	0.00830	0.00683	82.3	1.4	38	48	131
alpha-BHC	0.00830	0.00638	76.9	0.00830	0.00632	76.1	1.0	28	45	122
alpha-Chlordane	0.00830	0.00693	83.5	0.00830	0.00709	85.4	2.3	28	53	121

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Organochlorine Pesticides by Method 8081B - soil** **WorkOrder:** **09100232**
Method: **SW8081** **Lab Batch ID:** **83749**

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

RunID: GCSVE5_091008A-328877 Units: mg/Kg
Analysis Date: 10/09/2009 8:28 Analyst: LDD
Preparation Date: 10/06/2009 17:04 Prep By: TCM Method SW3550C

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
beta-BHC	0.00830	0.00705	84.9	0.00830	0.00701	84.4	0.6	45	49	130
delta-BHC	0.00830	0.00539	64.9	0.00830	0.00549	66.1	1.8	39	33	109
Dieldrin	0.00830	0.00683	82.2	0.00830	0.00708	85.2	3.6	35	45	133
Endosulfan I	0.00830	0.00715	86.1	0.00830	0.00723	87.1	1.1	33	56	120
Endosulfan II	0.00830	0.00743	89.6	0.00830	0.00707	85.1	5.1	39	52	118
Endosulfan sulfate	0.00830	0.00676	81.5	0.00830	0.00732	88.1	7.9	38	43	120
Endrin	0.00830	0.00745	89.7	0.00830	0.00778	93.8	4.4	30	39	142
Endrin aldehyde	0.00830	0.00663	79.8	0.00830	0.00698	84.0	5.1	44	38	137
Endrin ketone	0.00830	0.00751	90.5	0.00830	0.00806	97.1	7.0	51	50	121
gamma-BHC	0.00830	0.00661	79.6	0.00830	0.00653	78.6	1.3	31	44	128
gamma-Chlordane	0.00830	0.00705	85.0	0.00830	0.00714	86.1	1.3	33	59	120
Heptachlor	0.00830	0.00716	86.2	0.00830	0.00724	87.2	1.1	42	35	151
Heptachlor epoxide	0.00830	0.00724	87.2	0.00830	0.00792	95.5	9.0	40	53	124
Methoxychlor	0.00830	0.00772	93.1	0.00830	0.00844	102	8.9	49	40	154
Surr: Decachlorobiphenyl	33.3	28.3	85.0	33.3	30.8	92.4	8.3	29	10	180
Surr: Tetrachloro-m-xylene	33.3	29.1	87.4	33.3	28.1	84.3	3.7	37	10	157

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - 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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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: Polychlorinated Biphenyls by EPA 8082A - soil
Method: SW8082
WorkOrder: 09100232
Lab Batch ID: 83750

Method Blank

RunID: PEST_091007A-3287820 Units: mg/Kg
Analysis Date: 10/08/2009 2:08 Analyst: LDD
Preparation Date: 10/06/2009 17:05 Prep By: TCM Method SW3550C

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	78.2	10-187
Surr: Tetrachloro-m-xylene	71.2	10-153

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100232-01B	S-3514ACE-B1-0-3
09100232-02B	S-3514ACE-B2-0-3
09100232-03B	S-3514ACE-B3-0-3
09100232-04B	S-3514ACE-B10-0-3
09100232-05B	S-3514ACE-B11-0-3
09100232-06B	S-3514ACE-B12-0-3

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

RunID: PEST_091007A-3287821 Units: mg/Kg
Analysis Date: 10/08/2009 2:28 Analyst: LDD
Preparation Date: 10/06/2009 17:05 Prep By: TCM Method SW3550C

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	0.272	82.4	0.330	0.272	82.5	0.2	28	53	148
Aroclor 1260	0.330	0.295	89.3	0.330	0.291	88.2	1.3	33	52	152
Surr: Decachlorobiphenyl	0.0330	0.0299	90.6	0.0330	0.0297	90.0	0.7	30	10	187
Surr: Tetrachloro-m-xylene	0.0330	0.0289	87.6	0.0330	0.0295	89.4	2.1	30	10	153

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

Sample Spiked: 09100232-01
RunID: PEST_091007A-3287827 Units: mg/Kg
Analysis Date: 10/08/2009 5:05 Analyst: LDD
Preparation Date: 10/06/2009 17:05 Prep By: TCM Method SW3550C

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	0.242	73.5	0.33	0.279	84.4	13.9	48	10	181

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis:	**Polychlorinated Biphenyls by EPA 8082A - soil**	**WorkOrder:**	**09100232**
Method:	**SW8082**	**Lab Batch ID:**	**83750**

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

Sample Spiked:	09100232-01		
RunID:	PEST_091007A-3287827	Units:	mg/Kg
Analysis Date:	10/08/2009 5:05	Analyst:	LDD
Preparation Date:	10/06/2009 17:05	Prep By:	TCM Method SW3550C

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	0.298	83.8	0.33	0.330	93.6	10.3	49	10	154
Surr: Decachlorobiphenyl	ND	0.033	0.0305	92.4	0.033	0.0328	99.4	7.27	30	10	187
Surr: Tetrachloro-m-xylene	ND	0.033	0.0277	83.9	0.033	0.0319	96.7	14.1	30	10	153

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: TCLP Organochlorine Pesticides by EPA 8081B **WorkOrder:** 09100232
Method: SW8081 **Lab Batch ID:** 84253

Method Blank

RunID: GCSVE5_091024B-3312763 Units: mg/L
Analysis Date: 10/25/2009 6:28 Analyst: LDD
Preparation Date: 10/22/2009 12:40 Prep By: JB Method SW3510B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100232-08A	WA-3514ACE-COMP1
09100232-09A	WA-3514ACE-COMP4

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	81.0	16-134
Surr: Tetrachloro-m-xylene	95.3	20-151

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

RunID: GCSVE5_091024B-331276 Units: mg/L
Analysis Date: 10/25/2009 6:53 Analyst: LDD
Preparation Date: 10/22/2009 12:40 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	0.00235	93.9	0.00250	0.00238	95.4	1.6	37	40	152
gamma-BHC	0.00250	0.00211	84.3	0.00250	0.00209	83.5	0.9	34	39	146
Heptachlor	0.00250	0.00240	96.1	0.00250	0.00246	98.4	2.4	39	44	144
Heptachlor epoxide	0.00250	0.00279	111	0.00250	0.00265	106	5.0	36	45	142
Methoxychlor	0.00250	0.00238	95.3	0.00250	0.00253	101	6.1	44	36	172
Surr: Decachlorobiphenyl	10.0	8.45	84.5	10.0	9.81	98.1	14.9	43	16	134
Surr: Tetrachloro-m-xylene	10.0	9.69	96.9	10.0	9.66	96.6	0.3	45	20	151

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

Sample Spiked: 09100232-08
RunID: GCSVE5_091024B-331276 Units: mg/L
Analysis Date: 10/25/2009 8:33 Analyst: LDD
Preparation Date: 10/22/2009 12:40 Prep By: JB Method SW3510B

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: **TCLP Organochlorine Pesticides by EPA 8081B** **WorkOrder:** **09100232**
Method: **SW8081** **Lab Batch ID:** **84253**

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	0.00231	92.2	0.0025	0.00227	90.9	1.46	37	40	152
gamma-BHC	ND	0.0025	0.00207	82.9	0.0025	0.00206	82.4	0.610	34	39	146
Heptachlor	ND	0.0025	0.00242	96.6	0.0025	0.00233	93.2	3.56	39	44	144
Heptachlor epoxide	ND	0.0025	0.00266	106	0.0025	0.00278	111	4.41	36	45	142
Methoxychlor	ND	0.0025	0.00243	97.3	0.0025	0.00231	92.6	5.00	44	36	172
Surr: Decachlorobiphenyl	ND	10	7.66	76.6	10	6.50	65.0	16.3	43	16	134
Surr: Tetrachloro-m-xylene	ND	10	9.5	95.0	10	9.34	93.4	1.73	45	20	151

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: TCLP Chlorinated Herbicides
Method: SW8151A
WorkOrder: 09100232
Lab Batch ID: 84254

Method Blank

RunID: GCSVE5_091026A-3315000 Units: mg/L
Analysis Date: 10/27/2009 4:49 Analyst: LDD
Preparation Date: 10/22/2009 13:56 Prep By: DB Method SW3510B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100232-08A	WA-3514ACE-COMP1
09100232-09A	WA-3514ACE-COMP4

Analyte	Result	Rep Limit
2,4,5-TP (Silvex)	ND	0.0010
2,4-D	ND	0.010
Surr: DCAA	74.7	42-118

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

RunID: GCSVE5_091026A-331500 Units: mg/L
Analysis Date: 10/27/2009 5:23 Analyst: LDD
Preparation Date: 10/22/2009 13:56 Prep By: DB 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	0.00463	97.6	0.00475	0.00490	103	5.6	24	69	120
2,4-D	0.0470	0.0431	91.6	0.0470	0.0471	100	9.0	31	52	134
Surr: DCAA	10.0	8.68	86.8	10.0	9.02	90.2	3.8	30	42	118

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

Sample Spiked: 09100232-09
RunID: GCSVE5_091026A-331500 Units: mg/L
Analysis Date: 10/27/2009 8:03 Analyst: LDD
Preparation Date: 10/22/2009 13:56 Prep By: DB 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	0.00536	113	0.0048	0.00443	93.3	18.9	24	69	120
2,4-D	ND	0.047	0.0538	114	0.047	0.0417	88.8	25.2	31	52	134
Surr: DCAA	ND	10	7.68	76.8	10	9.03	90.3	16.2	30	42	118

Qualifiers:
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E - Estimated Value exceeds calibration curve
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: RECAP Gasoline Range Organics
Method: SW8015C
WorkOrder: 09100232
Lab Batch ID: R217383

Method Blank

RunID: HPOO_091005E-3284109 Units: mg/Kg
Analysis Date: 10/06/2009 7:28 Analyst: KJ

Analyte	Result	Rep Limit
Gasoline Range Organics (C6-C10)	ND	0.10
Surr: 1,4-Difluorobenzene	94.6	56-151
Surr: 4-Bromofluorobenzene	111.5	55-148

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100232-01A	S-3514ACE-B1-0-3
09100232-02A	S-3514ACE-B2-0-3
09100232-03A	S-3514ACE-B3-0-3
09100232-04A	S-3514ACE-B10-0-3
09100232-05A	S-3514ACE-B11-0-3
09100232-06A	S-3514ACE-B12-0-3

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

RunID: HPOO_091005E-3284110 Units: mg/Kg
Analysis Date: 10/06/2009 10:51 Analyst: KJ

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	4.47	89.4	5.00	4.62	92.4	3.3	15	75	119
Surr: 1,4-Difluorobenzene	30.0	38.8	129	30.0	40.7	136	4.7	30	56	151
Surr: 4-Bromofluorobenzene	30.0	31.4	105	30.0	32.5	108	3.4	30	55	148

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

Sample Spiked: 09100232-01
RunID: HPOO_091005E-3284116 Units: mg/Kg
Analysis Date: 10/06/2009 19:46 Analyst: KJ
Preparation Date: 10/06/2009 12:53 Prep By: hbo 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	250	265	106	250	266	106	0.565	15	52	136
Surr: 1,4-Difluorobenzene	ND	1500	1380	92.0	1500	1440	96.2	4.42	30	56	151
Surr: 4-Bromofluorobenzene	ND	1500	1640	109	1500	1670	111	1.65	30	55	148

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: **RECAP Gasoline Range Organics** **WorkOrder:** **09100232**
Method: **SW8015C** **Lab Batch ID:** **R217384**

Method Blank

RunID: HPOO_091005F-3284132 Units: mg/L
Analysis Date: 10/06/2009 6:55 Analyst: KJ

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100232-07A	W-3514ACE-TB-10-5-09

Analyte	Result	Rep Limit
Gasoline Range Organics (C6-C10)	ND	0.10
Surr: 1,4-Difluorobenzene	97.1	69-137
Surr: 4-Bromofluorobenzene	112.3	81-119

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

RunID: HPOO_091005F-3284133 Units: mg/L
Analysis Date: 10/06/2009 9:45 Analyst: KJ

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	4.82	96.5	5.00	4.85	97.0	0.5	13	75	114
Surr: 1,4-Difluorobenzene	30.0	39.6	132	30.0	39.5	132	0.1	30	69	137
Surr: 4-Bromofluorobenzene	30.0	33.6	112	30.0	33.2	111	1.3	30	81	119

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: RECAP Gasoline Range Organics
Method: SW8015C
WorkOrder: 09100232
Lab Batch ID: R217424

Method Blank

RunID: HPNN_091005H-3284911 Units: mg/L
Analysis Date: 10/07/2009 2:55 Analyst: KJ

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100232-10A	W-3514ACE-FB-10-5-09

Analyte	Result	Rep Limit
Gasoline Range Organics (C6-C10)	ND	0.10
Surr: 1,4-Difluorobenzene	99.3	69-137
Surr: 4-Bromofluorobenzene	102.4	81-119

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

RunID: HPNN_091005H-3284912 Units: mg/L
Analysis Date: 10/07/2009 4:01 Analyst: KJ

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	5.26	105	5.00	5.25	105	0.1	13	75	114
Surr: 1,4-Difluorobenzene	30.0	26.4	88.0	30.0	28.3	94.5	7.1	30	69	137
Surr: 4-Bromofluorobenzene	30.0	30.8	103	30.0	30.4	101	1.2	30	81	119

Qualifiers:
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* - Recovery Outside Advisable QC Limits
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Metals by Method 6020 (ICP/MS), Total** **WorkOrder:** **09100232**
Method: **SW6020** **Lab Batch ID:** **83737-I**

Method Blank

RunID: ICPMS_091008B-3287707 Units: mg/Kg
Analysis Date: 10/08/2009 15:16 Analyst: RJD
Preparation Date: 10/06/2009 13:15 Prep By: SA Method SW3050B

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

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100232-01D	S-3514ACE-B1-0-3
09100232-02D	S-3514ACE-B2-0-3
09100232-03D	S-3514ACE-B3-0-3
09100232-04D	S-3514ACE-B10-0-3
09100232-05D	S-3514ACE-B11-0-3
09100232-06D	S-3514ACE-B12-0-3

Laboratory Control Sample (LCS)

RunID: ICPMS_091008B-3287708 Units: mg/Kg
Analysis Date: 10/08/2009 15:19 Analyst: RJD
Preparation Date: 10/06/2009 13:15 Prep By: SA Method SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	280.0	258.8	92.43	80.7	119
Barium	520.0	548.0	105.4	82.7	117
Cadmium	182.0	198.6	109.1	81.9	118
Chromium	142.0	145.9	102.8	81	120
Lead	72.20	80.32	111.3	81.9	118
Selenium	165.0	161.4	97.83	77.6	123
Silver	126.0	138.4	109.9	66.4	134

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

Sample Spiked: 09100232-01
RunID: ICPMS_091008B-3287714 Units: mg/Kg
Analysis Date: 10/08/2009 15:33 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
Lead	19.6	250	272.4	101.1	250	275	102.1	0.9377	20	75	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Metals by Method 6020 (ICP/MS), Total** **WorkOrder:** **09100232**
Method: **SW6020** **Lab Batch ID:** **83737-I**

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

Sample Spiked: 09100232-01
RunID: ICPMS_091008B-3287712 Units: mg/Kg
Analysis Date: 10/08/2009 15:27 Analyst: RJD
Preparation Date: 10/06/2009 13:15 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	ND	10	9.962	82.61	10	9.569	78.68	4.017	20	75	125
Barium	282.2	10	700.3	N/C	10	311.7	N/C	N/C	20	75	125
Cadmium	ND	10	9.055	89.08	10	8.993	88.46	0.6878	20	75	125
Chromium	6.597	10	14.13	75.33	10	15.00	84.06	5.997	20	75	125
Lead	19.62	10	34.42	147.9 *	10	28.09	84.66	20.25 *	20	75	125
Selenium	ND	50	38.82	77.63	50	38.61	77.22	0.5283	20	75	125
Silver	ND	10	8.909	89.09	10	9.151	91.51	2.685	20	75	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Metals by Method 6020 (ICP/MS), Total** **WorkOrder:** **09100232**
Method: **SW6020** **Lab Batch ID:** **83737-I**

Method Blank

RunID: ICPMS_091014B-3295899 Units: mg/Kg
Analysis Date: 10/14/2009 17:17 Analyst: RJD
Preparation Date: 10/06/2009 13:15 Prep By: SA Method SW3050B

Analyte	Result	Rep Limit
Antimony	ND	1.25
Beryllium	ND	0.5
Cobalt	ND	0.5
Copper	ND	0.5
Nickel	ND	0.5
Thallium	ND	0.5
Vanadium	ND	2.5
Zinc	ND	1.5

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100232-01D	S-3514ACE-B1-0-3
09100232-02D	S-3514ACE-B2-0-3
09100232-03D	S-3514ACE-B3-0-3
09100232-04D	S-3514ACE-B10-0-3
09100232-05D	S-3514ACE-B11-0-3
09100232-06D	S-3514ACE-B12-0-3

Laboratory Control Sample (LCS)

RunID: ICPMS_091014B-3295900 Units: mg/Kg
Analysis Date: 10/14/2009 17:20 Analyst: RJD
Preparation Date: 10/06/2009 13:15 Prep By: SA Method SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Antimony	127.0	99.12	78.05	1	210
Beryllium	51.00	58.73	115.2	83.1	117
Cobalt	110.0	117.2	106.5	82.2	118
Copper	132.0	130.2	98.67	83.3	117
Nickel	155.0	164.5	106.2	82.6	117
Thallium	184.0	199.6	108.5	77.2	122
Vanadium	186.0	183.8	98.83	77.4	123
Zinc	346.0	347.8	100.5	78.9	121

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

Sample Spiked: 09100232-01
RunID: ICPMS_091014B-3295905 Units: mg/Kg
Analysis Date: 10/14/2009 17:37 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

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Metals by Method 6020 (ICP/MS), Total** **WorkOrder:** **09100232**
Method: **SW6020** **Lab Batch ID:** **83737-I**

Antimony	ND	125	118.9	94.99	125	117.7	94.06	0.9830	20	75	125
Copper	12.5	125	134.3	97.48	125	132	95.59	1.767	20	75	125
Nickel	6.91	125	128.5	97.24	125	126.9	95.98	1.234	20	75	125
Zinc	35.5	125	159	98.84	125	159.5	99.24	0.3117	20	75	125

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

Sample Spiked: 09100232-01
RunID: ICPMS_091014B-3295903 Units: mg/Kg
Analysis Date: 10/14/2009 17:31 Analyst: RJD
Preparation Date: 10/06/2009 13:15 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
Antimony	ND	10	4.418	42.51 *	10	3.653	34.85 *	18.96	20	75	125
Beryllium	0.6044	10	11.44	108.3	10	12.33	117.2	7.498	20	75	125
Cobalt	2.361	10	11.04	86.78	10	12.41	100.4	11.66	20	75	125
Copper	12.47	10	19.44	69.61 *	10	18.23	57.52 *	6.422	20	75	125
Nickel	6.912	10	14.13	72.18 *	10	16.34	94.25	14.49	20	75	125
Thallium	ND	10	9.575	95.31	10	10.23	101.9	6.659	20	75	125
Vanadium	8.054	10	15.70	76.46	10	18.84	107.8	18.17	20	75	125
Zinc	35.49	10	74.84	393.6 *	10	48.25	127.7 *	43.20 *	20	75	125

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - 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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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Mercury, Total by Cold Vapor** **WorkOrder:** **09100232**
Method: **SW7471B** **Lab Batch ID:** **83761**

Method Blank

RunID: FIMS-400_091007B-3284855 Units: mg/Kg
Analysis Date: 10/07/2009 9:16 Analyst: PFB

Analyte	Result	Rep Limit
Mercury	ND	0.1

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100232-01D	S-3514ACE-B1-0-3
09100232-02D	S-3514ACE-B2-0-3
09100232-03D	S-3514ACE-B3-0-3
09100232-04D	S-3514ACE-B10-0-3
09100232-05D	S-3514ACE-B11-0-3
09100232-06D	S-3514ACE-B12-0-3

Laboratory Control Sample (LCS)

RunID: FIMS-400_091007B-328485 Units: mg/Kg
Analysis Date: 10/07/2009 9:20 Analyst: PFB
Preparation Date: 10/07/2009 7:00 Prep By: PFB Method SW7471A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	8.480	6.971	82.21	66.04	132.1

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

Sample Spiked: 09100232-01
RunID: FIMS-400_091007B-328490 Units: mg/Kg
Analysis Date: 10/07/2009 12:46 Analyst: PFB

Analyte	Sample Result	PDS Spike Added	PDS Result	PDS % Recovery	PDSD Spike Added	PDSD Result	PDSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Mercury	1.68	1.815	3.794	116.3 *	1.815	3.808	117.0 *	0.3581	20	85	115

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

Sample Spiked: 09100232-01
RunID: FIMS-400_091007B-328485 Units: mg/Kg
Analysis Date: 10/07/2009 9:32 Analyst: PFB
Preparation Date: 10/07/2009 7:00 Prep By: PFB 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

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis:	**Mercury, Total by Cold Vapor**	**WorkOrder:**	**09100232**
Method:	**SW7471B**	**Lab Batch ID:**	**83761**

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

Sample Spiked:	09100232-01		
RunID:	FIMS-400_091007B-328485	Units:	mg/Kg
Analysis Date:	10/07/2009 9:32	Analyst:	PFB
Preparation Date:	10/07/2009 7:00	Prep By:	PFB 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	1.684	1.5	1.545	-9.225 *	1.5	1.535	-9.909 *	0.6657	20	75	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **TCLP Mercury** **WorkOrder:** **09100232**
Method: **SW7470A** **Lab Batch ID:** **84247**

Method Blank

RunID: FIMS-400_091022C-3308745 Units: mg/L
Analysis Date: 10/22/2009 18:11 Analyst: PFB
Preparation Date: 10/22/2009 11:00 Prep By: PFB Method SW7470A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100232-08A	WA-3514ACE-COMP1
09100232-09A	WA-3514ACE-COMP4

Analyte	Result	Rep Limit
Mercury	ND	0.02

Laboratory Control Sample (LCS)

RunID: FIMS-400_091022C-330874 Units: mg/L
Analysis Date: 10/22/2009 18:15 Analyst: PFB
Preparation Date: 10/22/2009 11:00 Prep By: PFB Method SW7470A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	0.3000	0.2933	97.75	80	120

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

Sample Spiked: 09100232-08
RunID: FIMS-400_091022C-330874 Units: mg/L
Analysis Date: 10/22/2009 18:27 Analyst: PFB
Preparation Date: 10/22/2009 11:00 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	0.3052	101.7	0.3	0.3022	100.7	1.020	20	75	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: TCLP Metals by Method 6010B
Method: SW6010B
WorkOrder: 09100232
Lab Batch ID: 84261

Method Blank

RunID: ICPDV_091024A-3311426 Units: mg/L
Analysis Date: 10/24/2009 16:44 Analyst: SVW
Preparation Date: 10/22/2009 17:00 Prep By: SA Method SW3010A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100232-08A	WA-3514ACE-COMP1
09100232-09A	WA-3514ACE-COMP4

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

Laboratory Control Sample (LCS)

RunID: ICPDV_091024A-3311427 Units: mg/L
Analysis Date: 10/24/2009 16:49 Analyst: SVW
Preparation Date: 10/22/2009 17:00 Prep By: SA Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	10.00	11.58	115.8	80	120
Barium	10.00	10.32	103.2	80	120
Cadmium	10.00	10.52	105.2	80	120
Chromium	10.00	10.16	101.6	80	120
Lead	10.00	10.40	104.0	80	120
Selenium	10.00	10.64	106.4	80	120

Sample Duplicate

Original Sample: 09100232-08
RunID: ICPDV_091024A-3311428 Units: mg/L
Analysis Date: 10/24/2009 16:53 Analyst: SVW
Preparation Date: 10/22/2009 17:00 Prep By: SA Method SW3010A
Leach Date: 10/21/2009 0:00 Leach By: KT Method SW1311

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Arsenic	ND	ND	0	20
Barium	1.01	0.9887	2.10	20
Cadmium	ND	ND	0	20
Chromium	ND	ND	0	20
Lead	ND	ND	0	20

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: **TCLP Metals by Method 6010B** **WorkOrder:** **09100232**
Method: **SW6010B** **Lab Batch ID:** **84261**

Sample Duplicate

Original Sample: 09100232-08
RunID: ICPDV_091024A-3311428 Units: mg/L
Analysis Date: 10/24/2009 16:53 Analyst: SVW
Preparation Date: 10/22/2009 17:00 Prep By: SA Method SW3010A
Leach Date: 10/21/2009 0:00 Leach By: KT Method SW1311

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Selenium	ND	ND	0	20

Matrix Spike (MS)

Sample Spiked: 09100232-08
RunID: ICPDV_091024A-3311430 Units: mg/L
Analysis Date: 10/24/2009 17:03 Analyst: SVW
Preparation Date: 10/22/2009 17:00 Prep By: SA Method SW3010A

Analyte	Sample Result	Spike Added	MS Result	MS % Recovery	Low Limit	High Limit
Arsenic	ND	10	10.38	103.4	75	125
Barium	1.010	10	9.909	88.99	75	125
Cadmium	ND	10	9.122	91.08	75	125
Chromium	ND	10	9.071	90.57	75	125
Lead	ND	10	8.948	89.44	75	125
Selenium	ND	10	9.556	95.56	75	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: **TCLP Metals by Method 6010B** **WorkOrder:** **09100232**
Method: **SW6010B** **Lab Batch ID:** **84261**

Method Blank

RunID: ICPDV_091024D-3311580 Units: mg/L
Analysis Date: 10/24/2009 16:44 Analyst: SVW
Preparation Date: 10/22/2009 17:00 Prep By: SA Method SW3010A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100232-08A	WA-3514ACE-COMP1
09100232-09A	WA-3514ACE-COMP4

Analyte	Result	Rep Limit
Silver	ND	0.1

Laboratory Control Sample (LCS)

RunID: ICPDV_091024D-3311581 Units: mg/L
Analysis Date: 10/24/2009 16:49 Analyst: SVW
Preparation Date: 10/22/2009 17:00 Prep By: SA Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Silver	10.00	10.40	104.0	80	120

Sample Duplicate

Original Sample: 09100232-08
RunID: ICPDV_091024D-3311582 Units: mg/L
Analysis Date: 10/24/2009 16:53 Analyst: SVW
Preparation Date: 10/22/2009 17:00 Prep By: SA Method SW3010A
Leach Date: 10/21/2009 0:00 Leach By: KT Method SW1311

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Silver	ND	ND	0	20

Matrix Spike (MS)

Sample Spiked: 09100232-08
RunID: ICPDV_091024D-3311584 Units: mg/L
Analysis Date: 10/24/2009 17:03 Analyst: SVW
Preparation Date: 10/22/2009 17:00 Prep By: SA Method SW3010A

Analyte	Sample Result	Spike Added	MS Result	MS % Recovery	Low Limit	High Limit
Silver	ND	10	9.513	94.98	75	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: RECAP Semivolatile Organics by EPA 8270D
Method: SW8270D
WorkOrder: 09100232
Lab Batch ID: 83732

Method Blank

RunID: D_091007A-3286491 Units: mg/Kg
Analysis Date: 10/07/2009 15:08 Analyst: KTK
Preparation Date: 10/06/2009 13:08 Prep By: TCM Method SW3550C

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	0.17
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	0.17
Acenaphthylene	ND	0.17
Aniline	ND	0.065
Anthracene	ND	0.17
Benz(a)anthracene	ND	0.17
Benzo(a)pyrene	ND	0.17
Benzo(b)fluoranthene	ND	0.17
Benzo(k)fluoranthene	ND	0.17
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	0.17
Dibenz(a,h)anthracene	ND	0.17
Dibenzofuran	ND	0.17
Diethyl phthalate	ND	0.17
Dimethyl phthalate	ND	0.17
Di-n-octyl phthalate	ND	0.17
Fluoranthene	ND	0.17
Fluorene	ND	0.17
Hexachlorobenzene	ND	0.17
Hexachlorobutadiene	ND	0.17
Hexachlorocyclopentadiene	ND	0.33
Indeno(1,2,3-cd)pyrene	ND	0.17
Isophorone	ND	0.17

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100232-01B	S-3514ACE-B1-0-3
09100232-02B	S-3514ACE-B2-0-3
09100232-03B	S-3514ACE-B3-0-3
09100232-04B	S-3514ACE-B10-0-3
09100232-05B	S-3514ACE-B11-0-3
09100232-06B	S-3514ACE-B12-0-3

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: RECAP Semivolatile Organics by EPA 8270D **WorkOrder:** 09100232
Method: SW8270D **Lab Batch ID:** 83732

Method Blank

RunID: D_091007A-3286491 Units: mg/Kg
Analysis Date: 10/07/2009 15:08 Analyst: KTK
Preparation Date: 10/06/2009 13:08 Prep By: TCM Method SW3550C

Analyte	Result	Rep Limit
Naphthalene	ND	0.17
Nitrobenzene	ND	0.17
N-Nitrosodi-n-propylamine	ND	0.17
N-Nitrosodiphenylamine	ND	0.17
Pentachlorophenol	ND	0.66
Phenanthrene	ND	0.17
Phenol	ND	0.17
Pyrene	ND	0.17
Surr: 2,4,6-Tribromophenol	91.9	10-170
Surr: 2-Fluorobiphenyl	95.0	35-116
Surr: 2-Fluorophenol	77.1	16-139
Surr: 4-Terphenyl-d14	79.1	30-145
Surr: Nitrobenzene-d5	74.8	10-152
Surr: Phenol-d5	77.7	17-151

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

RunID: D_091007A-3286492 Units: mg/Kg
Analysis Date: 10/07/2009 15:33 Analyst: KTK
Preparation Date: 10/06/2009 13:08 Prep By: TCM Method SW3550C

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	1.21	72.5	1.67	2.08	125	53.0 *	40	31	165
1,2,4,5-Tetrachlorobenzene	1.67	1.31	78.7	1.67	1.41	84.7	7.4	30	59	121
1,2,4-Trichlorobenzene	1.67	1.15	69.1	1.67	1.54	92.5	28.9 *	27	31	135
1,3-Dinitrobenzene	1.67	1.49	89.3	1.67	1.73	104	15.3	27	70	115
2,3,4,6-Tetrachlorophenol	1.67	1.33	80.0	1.67	1.72	103	25.1	27	55	116
2,4,5-Trichlorophenol	1.67	1.28	77.0	1.67	1.61	96.3	22.4	26	65	114
2,4,6-Trichlorophenol	1.67	1.37	82.3	1.67	1.71	103	22.0	23	69	107
2,4-Dichlorophenol	1.67	1.34	80.5	1.67	1.76	105	26.8 *	20	57	128
2,4-Dimethylphenol	1.67	1.27	76.3	1.67	1.56	93.5	20.3	21	46	120
2,4-Dinitrophenol	1.67	1.63	97.9	1.67	1.98	119	19.2	45	28	126
2,4-Dinitrotoluene	1.67	1.44	86.5	1.67	1.75	105	19.1	30	69	119
2,6-Dinitrotoluene	1.67	1.35	80.8	1.67	1.92	115	35.2 *	25	66	117
2-Chloronaphthalene	1.67	1.33	79.7	1.67	1.67	100	22.6	25	60	126
2-Chlorophenol	1.67	1.24	74.4	1.67	1.54	92.4	21.6	22	58	108

Qualifiers:
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **RECAP Semivolatile Organics by EPA 8270D** **WorkOrder:** **09100232**
Method: **SW8270D** **Lab Batch ID:** **83732**

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

RunID: D_091007A-3286492 Units: mg/Kg
Analysis Date: 10/07/2009 15:33 Analyst: KTK
Preparation Date: 10/06/2009 13:08 Prep By: TCM Method SW3550C

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	1.37	82.3	1.67	1.71	103	21.9	28	52	135
2-Nitroaniline	1.67	1.42	85.4	1.67	1.78	107	22.0 *	22	66	118
3,3´-Dichlorobenzidine	1.67	1.46	87.6	1.67	1.96	118	29.3	47	24	200
3-Nitroaniline	1.67	1.36	81.6	1.67	1.58	94.5	14.7	29	27	200
4-Chloroaniline	1.67	1.09	65.1	1.67	1.49	89.1	31.1	32	60	111
4-Nitroaniline	1.67	1.37	82.2	1.67	1.76	106	24.9	33	32	200
4-Nitrophenol	1.67	1.57	94.0	1.67	2.04	123	26.4	46	58	123
Acenaphthene	1.67	1.32	79.0	1.67	1.75	105	28.3 *	23	55	132
Acenaphthylene	1.67	1.43	85.6	1.67	1.73	104	19.4	24	53	137
Aniline	1.67	1.13	68.0	1.67	1.39	83.7	20.6	45	63	109
Anthracene	1.67	1.38	82.6	1.67	1.76	106	24.5 *	23	59	126
Benz(a)anthracene	1.67	1.20	72.0	1.67	1.56	93.4	25.8	26	57	129
Benzo(a)pyrene	1.67	1.51	90.5	1.67	1.94	116	25.0 *	21	61	127
Benzo(b)fluoranthene	1.67	1.49	89.3	1.67	1.91	115	24.9	26	58	117
Benzo(k)fluoranthene	1.67	1.41	84.9	1.67	1.84	110	26.0	26	56	139
Bis(2-chloroethyl)ether	1.67	1.42	85.1	1.67	1.94	116 *	31.1 *	30	52	111
Bis(2-chloroisopropyl)ether	1.67	1.27	76.1	1.67	1.62	97.2	24.3	33	55	108
Bis(2-ethylhexyl)phthalate	1.67	1.48	88.5	1.67	1.88	113	24.3	37	55	134
Butyl benzyl phthalate	1.67	1.41	84.7	1.67	1.83	110	25.8	35	58	131
Chrysene	1.67	1.22	73.1	1.67	1.55	92.8	23.7 *	21	58	113
Dibenz(a,h)anthracene	1.67	1.41	84.5	1.67	1.81	109	25.0	27	47	132
Dibenzofuran	1.67	1.25	75.2	1.67	1.55	92.8	21.0	21	60	129
Diethyl phthalate	1.67	1.26	75.9	1.67	1.67	100	27.7	34	58	137
Dimethyl phthalate	1.67	1.34	80.7	1.67	1.40	83.8	3.8	36	60	129
Di-n-octyl phthalate	1.67	1.40	83.7	1.67	1.81	109	26.0	36	58	129
Fluoranthene	1.67	1.24	74.2	1.67	1.61	96.7	26.4	36	59	127
Fluorene	1.67	1.52	91.4	1.67	2.00	120	26.9 *	25	59	135
Hexachlorobenzene	1.67	1.15	68.8	1.67	1.50	89.8	26.4	33	60	127
Hexachlorobutadiene	1.67	1.38	82.9	1.67	1.61	96.8	15.6	33	56	121
Hexachlorocyclopentadiene	1.67	1.46	87.9	1.67	1.84	111 *	23.0	49	54	106
Indeno(1,2,3-cd)pyrene	1.67	1.53	91.7	1.67	2.00	120	26.6	41	38	131
Isophorone	1.67	1.06	63.3	1.67	1.46	87.7	32.3 *	28	57	107
Naphthalene	1.67	1.48	89.0	1.67	1.99	119	29.2 *	24	59	127

Qualifiers:
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: RECAP Semivolatile Organics by EPA 8270D **WorkOrder:** 09100232
Method: SW8270D **Lab Batch ID:** 83732

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

RunID: D_091007A-3286492 Units: mg/Kg
Analysis Date: 10/07/2009 15:33 Analyst: KTK
Preparation Date: 10/06/2009 13:08 Prep By: TCM Method SW3550C

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	1.12	67.3	1.67	1.52	91.0	30.0 *	25	61	124
N-Nitrosodi-n-propylamine	1.67	1.25	75.2	1.67	1.51	90.4	18.4	43	59	121
N-Nitrosodiphenylamine	1.67	1.31	78.5	1.67	1.46	87.7	11.1	27	59	131
Pentachlorophenol	1.67	1.44	86.7	1.67	1.91	115	27.8	36	55	115
Phenanthrene	1.67	1.28	76.8	1.67	1.63	97.6	23.9 *	23	56	130
Phenol	1.67	1.05	62.7	1.67	1.31	78.8	22.8	31	54	122
Pyrene	1.67	1.21	72.7	1.67	1.56	93.8	25.4	32	55	137
Surr: 2,4,6-Tribromophenol	2500	2300	92.1	2500	2650	106	14.1	30	10	170
Surr: 2-Fluorobiphenyl	1670	1290	77.5	1670	1930	116	39.5 *	30	35	116
Surr: 2-Fluorophenol	2500	1840	73.8	2500	2300	91.9	21.9	30	16	139
Surr: 4-Terphenyl-d14	1670	1270	76.3	1670	1550	93.2	19.8	30	30	145
Surr: Nitrobenzene-d5	1670	1160	69.7	1670	1480	88.8	24.1	30	10	152
Surr: Phenol-d5	2500	2050	82.0	2500	2580	103	22.8	30	17	151

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

Sample Spiked: 09100232-01
RunID: D_091007A-3286510 Units: mg/Kg
Analysis Date: 10/07/2009 23:03 Analyst: KTK
Preparation Date: 10/06/2009 13:08 Prep By: TCM Method SW3550C

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	1.41	84.4	1.67	1.59	95.3	12.2	40	31	165
1,2,4,5-Tetrachlorobenzene	ND	1.67	1.63	98.1	1.67	1.97	118	18.6	30	59	121
1,2,4-Trichlorobenzene	ND	1.67	1.75	105	1.67	1.87	112	7.02	27	31	135
1,3-Dinitrobenzene	ND	1.67	1.61	96.6	1.67	1.60	96.2	0.485	27	70	115
2,3,4,6-Tetrachlorophenol	ND	1.67	1.61	96.8	1.67	2.12	127 *	27.2 *	27	55	116
2,4,5-Trichlorophenol	ND	1.67	1.73	104	1.67	1.87	112	7.63	26	65	114
2,4,6-Trichlorophenol	ND	1.67	1.78	107 *	1.67	2.08	125 *	15.2	23	69	107
2,4-Dichlorophenol	ND	1.67	1.46	87.3	1.67	1.53	91.9	5.10	20	57	128

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: RECAP Semivolatile Organics by EPA 8270D **WorkOrder:** 09100232
Method: SW8270D **Lab Batch ID:** 83732

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

Sample Spiked: 09100232-01
RunID: D_091007A-3286510 Units: mg/Kg
Analysis Date: 10/07/2009 23:03 Analyst: KTK
Preparation Date: 10/06/2009 13:08 Prep By: TCM Method SW3550C

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	1.60	95.7	1.67	1.73	104	7.97	21	46	120
2,4-Dinitrophenol	ND	1.67	0.773	46.4	1.67	1.14	68.5	38.6	45	28	126
2,4-Dinitrotoluene	ND	1.67	1.89	113	1.67	2.14	128 *	12.3	30	69	119
2,6-Dinitrotoluene	ND	1.67	1.88	113	1.67	2.20	132 *	15.8	25	66	117
2-Chloronaphthalene	ND	1.67	1.19	71.6	1.67	1.51	90.4	23.2	25	60	126
2-Chlorophenol	ND	1.67	1.85	111 *	1.67	1.96	118 *	5.69	22	58	108
2-Methylnaphthalene	ND	1.67	0.979	58.7	1.67	1.04	62.5	6.17	28	52	135
2-Nitroaniline	ND	1.67	1.60	96.3	1.67	2.11	127 *	27.3 *	22	66	118
3,3´-Dichlorobenzidine	ND	1.67	1.80	108	1.67	1.94	116	7.28	47	24	200
3-Nitroaniline	ND	1.67	1.57	94.3	1.67	2.11	126	29.0 *	29	27	200
4-Chloroaniline	ND	1.67	1.49	89.6	1.67	1.62	97.2	8.20	32	60	111
4-Nitroaniline	ND	1.67	1.78	107	1.67	1.78	107	0.113	33	32	200
4-Nitrophenol	ND	1.67	1.61	96.8	1.67	2.12	127 *	27.1	46	58	123
Acenaphthene	ND	1.67	1.73	104	1.67	1.90	114	9.39	24	55	132
Acenaphthylene	ND	1.67	1.72	103	1.67	1.69	102	1.33	24	53	137
Aniline	ND	1.67	1.85	111 *	1.67	1.93	116 *	4.43	45	63	109
Anthracene	ND	1.67	1.95	114	1.67	1.58	92.4	20.8	23	59	126
Benz(a)anthracene	0.181	1.67	1.83	99.1	1.67	1.73	92.7	5.96	26	57	129
Benzo(a)pyrene	0.181	1.67	2.16	119	1.67	2.04	111	5.92	21	61	127
Benzo(b)fluoranthene	0.260	1.67	2.38	127 *	1.67	2.17	114	9.20	26	58	117
Benzo(k)fluoranthene	ND	1.67	1.74	97.6	1.67	1.79	100	2.57	26	56	139
Bis(2-chloroethyl)ether	ND	1.67	2.09	125 *	1.67	2.14	128 *	2.18	30	52	111
Bis(2-chloroisopropyl)ether	ND	1.67	1.69	102	1.67	1.70	102	0.648	33	55	108
Bis(2-ethylhexyl)phthalate	ND	1.67	1.93	116	1.67	1.98	119	2.29	37	55	134
Butyl benzyl phthalate	ND	1.67	1.87	112	1.67	1.92	115	2.70	35	58	131
Chrysene	0.200	1.67	1.79	95.2	1.67	1.74	92.2	2.86	21	58	113
Dibenz(a,h)anthracene	ND	1.67	1.70	102	1.67	1.77	106	4.03	27	47	132
Dibenzofuran	ND	1.67	1.43	86.0	1.67	2.00	120	33.2 *	21	60	129
Diethyl phthalate	ND	1.67	1.52	91.3	1.67	1.38	82.5	10.0	34	58	137
Dimethyl phthalate	ND	1.67	1.60	96.1	1.67	1.50	90.1	6.34	36	60	129
Di-n-octyl phthalate	ND	1.67	1.85	111	1.67	1.91	115	3.12	36	58	129
Fluoranthene	0.363	1.67	2.30	116	1.67	1.95	95.2	16.5	36	59	127

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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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **RECAP Semivolatile Organics by EPA 8270D** **WorkOrder:** **09100232**
Method: **SW8270D** **Lab Batch ID:** **83732**

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

Sample Spiked: 09100232-01
RunID: D_091007A-3286510 Units: mg/Kg
Analysis Date: 10/07/2009 23:03 Analyst: KTK
Preparation Date: 10/06/2009 13:08 Prep By: TCM Method SW3550C

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	1.63	97.6	1.67	2.32	139 *	35.0 *	25	59	135
Hexachlorobenzene	ND	1.67	1.81	109	1.67	1.41	84.5	25.2	33	60	127
Hexachlorobutadiene	ND	1.67	1.60	96.3	1.67	1.72	103	7.02	33	56	121
Hexachlorocyclopentadiene	ND	1.67	0.885	53.1 *	1.67	1.06	63.7	18.1	49	54	106
Indeno(1,2,3-cd)pyrene	ND	1.67	2.05	116	1.67	2.04	115	0.602	41	38	131
Isophorone	ND	1.67	1.73	104	1.67	1.81	109 *	4.82	28	57	107
Naphthalene	ND	1.67	1.25	75.2	1.67	1.33	80.1	6.27	24	59	127
Nitrobenzene	ND	1.67	1.78	107	1.67	2.01	121	12.0	25	61	124
N-Nitrosodi-n-propylamine	ND	1.67	1.72	103	1.67	1.77	106	2.88	43	59	121
N-Nitrosodiphenylamine	ND	1.67	1.50	89.7	1.67	1.91	114	24.1	27	59	131
Pentachlorophenol	ND	1.67	1.38	82.9	1.67	1.70	102	20.9	36	55	115
Phenanthrene	0.172	1.67	1.80	97.7	1.67	1.54	82.2	15.4	23	56	130
Phenol	ND	1.67	1.93	116	1.67	2.00	120	4.01	31	54	122
Pyrene	0.292	1.67	2.00	103	1.67	1.86	94.0	7.48	32	55	137
Surr: 2,4,6-Tribromophenol	ND	2500	2830	113	2500	2660	106	6.07	30	10	170
Surr: 2-Fluorobiphenyl	ND	1670	1350	80.9	1670	1400	83.7	3.50	30	35	116
Surr: 2-Fluorophenol	ND	2500	2460	98.5	2500	2640	106	7.01	30	16	139
Surr: 4-Terphenyl-d14	ND	1670	1570	94.0	1670	1640	98.6	4.85	30	30	145
Surr: Nitrobenzene-d5	ND	1670	1610	96.5	1670	1770	106	9.73	30	10	152
Surr: Phenol-d5	ND	2500	2870	115	2500	2990	119	3.90	30	17	151

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: TCLP Semivolatile Organics by EPA 8270D
Method: SW8270D
WorkOrder: 09100232
Lab Batch ID: 84257

Method Blank

RunID: F_091023A-3310502 Units: mg/L
Analysis Date: 10/23/2009 14:46 Analyst: KTK
Preparation Date: 10/22/2009 14:46 Prep By: DB Method SW3510B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100232-08A	WA-3514ACE-COMP1
09100232-09A	WA-3514ACE-COMP4

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	72.1	39-152
Surr: 2-Fluorobiphenyl	83.1	41-125
Surr: 2-Fluorophenol	42.9	10-114
Surr: 4-Terphenyl-d14	92.0	34-135
Surr: Nitrobenzene-d5	58.2	36-126
Surr: Phenol-d5	33.1	10-84.1

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

RunID: F_091023A-3310503 Units: mg/L
Analysis Date: 10/23/2009 15:06 Analyst: KTK
Preparation Date: 10/22/2009 14:46 Prep By: DB 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	0.417	83.3	0.500	0.472	94.5	12.6	27	44	106
2,4,5-Trichlorophenol	0.500	0.429	85.8	0.500	0.437	87.3	1.8	34	43	132
2,4,6-Trichlorophenol	0.500	0.476	95.2	0.500	0.489	97.8	2.7	37	44	124
2,4-Dinitrotoluene	0.500	0.381	76.1	0.500	0.449	89.8	16.4	25	40	137
Hexachlorobenzene	0.500	0.399	79.9	0.500	0.466	93.2	15.4	30	44	130
Hexachlorobutadiene	0.500	0.393	78.5	0.500	0.453	90.6	14.3	36	37	106
Hexachloroethane	0.500	0.401	80.2	0.500	0.463	92.6	14.4	33	35	105
Nitrobenzene	0.500	0.403	80.5	0.500	0.465	93.0	14.4	24	40	133
Pentachlorophenol	0.500	0.440	87.9	0.500	0.461	92.2	4.8	40	38	124
Pyridine	0.500	0.166	33.2	0.500	0.190	38.0	13.2	44	10	56
m,p-Cresols	0.500	0.463	92.5	0.500	0.481	96.2	3.9	23	26	120

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MI - Matrix Interference
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TNTC - Too numerous to count

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: TCLP Semivolatile Organics by EPA 8270D **WorkOrder:** 09100232
Method: SW8270D **Lab Batch ID:** 84257

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

RunID: F_091023A-3310503 Units: mg/L
Analysis Date: 10/23/2009 15:06 Analyst: KTK
Preparation Date: 10/22/2009 14:46 Prep By: DB 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	0.484	96.7	0.500	0.526	105	8.4	22	19	129
Surr: 2,4,6-Tribromophenol	750	659	87.8	750	670	89.4	1.7	30	36	150
Surr: 2-Fluorobiphenyl	500	422	84.5	500	474	94.9	11.6	30	41	125
Surr: 2-Fluorophenol	750	390	51.9	750	393	52.4	0.9	30	10	114
Surr: 4-Terphenyl-d14	500	474	94.8	500	539	108	12.8	30	34	135
Surr: Nitrobenzene-d5	500	317	63.4	500	369	73.8	15.2	30	36	126
Surr: Phenol-d5	750	304	40.5	750	312	41.6	2.7	30	10	84.1

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

Sample Spiked: 09100712-01
RunID: F_091023A-3310510 Units: mg/L
Analysis Date: 10/23/2009 17:46 Analyst: KTK
Preparation Date: 10/22/2009 14:46 Prep By: DB 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
1,4-Dichlorobenzene	ND	0.5	0.416	83.2	0.5	0.444	88.9	6.59	27	44	106
2,4,5-Trichlorophenol	ND	0.5	0.434	86.8	0.5	0.370	74.0	15.9	34	43	132
2,4,6-Trichlorophenol	ND	0.5	0.500	100	0.5	0.423	84.6	16.8	37	44	124
2,4-Dinitrotoluene	ND	0.5	0.395	78.9	0.5	0.421	84.2	6.44	25	40	137
Hexachlorobenzene	ND	0.5	0.416	83.2	0.5	0.442	88.4	6.09	30	44	130
Hexachlorobutadiene	ND	0.5	0.392	78.3	0.5	0.420	84.0	6.98	36	37	106
Hexachloroethane	ND	0.5	0.407	81.3	0.5	0.438	87.6	7.47	33	35	105
Nitrobenzene	ND	0.5	0.415	83.0	0.5	0.437	87.4	5.13	24	40	133
Pentachlorophenol	ND	0.5	0.473	94.6	0.5	0.392	78.4	18.7	40	38	124
Pyridine	ND	0.5	0.235	47.1	0.5	0.234	46.8	0.607	44	10	56
m,p-Cresols	ND	0.5	0.478	95.6	0.5	0.495	99.0	3.45	23	26	120
o-Cresol	ND	0.5	0.513	103	0.5	0.538	108	4.64	22	19	129
Surr: 2,4,6-Tribromophenol	ND	750	687	91.5	750	588	78.3	15.5	30	36	150
Surr: 2-Fluorobiphenyl	ND	500	421	84.1	500	452	90.3	7.07	30	41	125

Qualifiers:
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TNTC - Too numerous to count

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis:	**TCLP Semivolatile Organics by EPA 8270D**	**WorkOrder:**	**09100232**
Method:	**SW8270D**	**Lab Batch ID:**	**84257**

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

Sample Spiked:	09100712-01		
RunID:	F_091023A-3310510	Units:	mg/L
Analysis Date:	10/23/2009 17:46	Analyst:	KTK
Preparation Date:	10/22/2009 14:46	Prep By:	DB 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
Surr: 2-Fluorophenol	ND	750	404	53.8	750	349	46.5	14.7	30	10	114
Surr: 4-Terphenyl-d14	ND	500	481	96.1	500	504	101	4.76	30	34	135
Surr: Nitrobenzene-d5	ND	500	329	65.9	500	349	69.9	5.89	30	36	126
Surr: Phenol-d5	ND	750	318	42.5	750	308	41.1	3.27	30	10	84.1

Qualifiers:
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MI - Matrix Interference
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: TCLP Volatile Organics
Method: SW8260B

WorkOrder: 09100232
Lab Batch ID: 84210

Method Blank

RunID: HA_091022C-3308978 Units: ug/L
Analysis Date: 10/22/2009 22:45 Analyst: MCB

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100232-08A	WA-3514ACE-COMP1
09100232-09A	WA-3514ACE-COMP4

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	99.7	75-120
Surr: 4-Bromofluorobenzene	97.2	89-109
Surr: Toluene-d8	98.7	89-110

Leachate Blank

RunID: HA_091022C-3308979 Units: mg/L
Analysis Date: 10/23/2009 3:29 Analyst: MCB

Analyte	Result	Rep Limit
1,1-Dichloroethene	ND	0.0050
1,2-Dichloroethane	ND	0.0050
2-Butanone	ND	0.010
Benzene	ND	0.0050
Carbon tetrachloride	ND	0.0050
Chlorobenzene	ND	0.0050
Chloroform	ND	0.0050
Tetrachloroethene	ND	0.0050
Trichloroethene	ND	0.0050
Vinyl chloride	ND	0.0010
Surr: 1,2-Dichloroethane-d4	99.1	71-116
Surr: 4-Bromofluorobenzene	97.5	86-109
Surr: Toluene-d8	99.8	90-109

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

RunID: HA_091022C-3308980 Units: mg/L
Analysis Date: 10/23/2009 3:55 Analyst: MCB

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: **TCLP Volatile Organics** **WorkOrder:** **09100232**
Method: **SW8260B** **Lab Batch ID:** **84210**

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	0.178	88.9	0.200	0.178	88.9	0.1	16	76	118
1,2-Dichloroethane	0.200	0.186	93.2	0.200	0.192	96.0	2.9	15	78	118
2-Butanone	0.500	0.471	94.3	0.500	0.478	95.6	1.4	28	41	139
Benzene	0.200	0.179	89.7	0.200	0.189	94.7	5.4	13	81	119
Carbon tetrachloride	0.200	0.156	78.1	0.200	0.171	85.5	9.1	14	57	124
Chlorobenzene	0.200	0.175	87.6	0.200	0.182	91.1	3.8	10	85	111
Chloroform	0.200	0.180	90.1	0.200	0.189	94.6	5.0	15	73	122
Tetrachloroethene	0.200	0.178	89.0	0.200	0.192	95.8	7.3	13	73	124
Trichloroethene	0.200	0.180	90.1	0.200	0.184	91.9	1.9	15	78	119
Vinyl chloride	0.200	0.187	93.6	0.200	0.194	97.0	3.5	22	64	124
Surr: 1,2-Dichloroethane-d4	500	490	98.0	500	492	98.4	0.4	30	71	116
Surr: 4-Bromofluorobenzene	500	497	99.4	500	497	99.4	0.0	30	86	109
Surr: Toluene-d8	500	500	100	500	512	102	2.4	30	90	109

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

Sample Spiked: 09100272-07
RunID: HA_091022C-3308986 Units: mg/L
Analysis Date: 10/23/2009 6:29 Analyst: MCB

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	0.166	82.9	0.2	0.176	88.0	6.04	16	76	118
1,2-Dichloroethane	ND	0.2	0.178	88.8	0.2	0.193	96.5	8.28	15	78	118
2-Butanone	ND	0.5	0.418	83.6	0.5	0.488	97.6	15.4	28	41	139
Benzene	ND	0.2	0.167	83.5	0.2	0.182	91.2	8.79	13	81	119
Carbon tetrachloride	ND	0.2	0.157	78.4	0.2	0.168	84.2	7.02	14	57	124
Chlorobenzene	ND	0.2	0.165	82.7 *	0.2	0.176	88.2	6.46	10	85	111
Chloroform	ND	0.2	0.178	89.0	0.2	0.187	93.4	4.82	15	73	122
Tetrachloroethene	ND	0.2	0.163	81.6	0.2	0.173	86.4	5.69	13	73	124
Trichloroethene	ND	0.2	0.167	83.7	0.2	0.183	91.3	8.67	15	78	119
Vinyl chloride	ND	0.2	0.176	88.1	0.2	0.182	91.1	3.29	22	64	124
Surr: 1,2-Dichloroethane-d4	ND	500	495	99.0	500	502	100	1.44	30	71	116
Surr: 4-Bromofluorobenzene	ND	500	496	99.2	500	486	97.2	2.02	30	86	109
Surr: Toluene-d8	ND	500	489	97.9	500	492	98.5	0.622	30	90	109

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: Volatile Organics-RECAP Method 8260B
Method: SW8260B
WorkOrder: 09100232
Lab Batch ID: R217393

Method Blank

RunID: HA_091006A-3284304 Units: ug/L
Analysis Date: 10/06/2009 15:42 Analyst: MCB

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100232-07A	W-3514ACE-TB-10-5-09
09100232-10A	W-3514ACE-FB-10-5-09

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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B - Analyte Detected In The Associated Method Blank
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E - Estimated Value exceeds calibration curve
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LAFAYETTE LABORATORY
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09100232**
Method: **SW8260B** **Lab Batch ID:** **R217393**

Method Blank

RunID: HA_091006A-3284304 Units: ug/L
Analysis Date: 10/06/2009 15:42 Analyst: MCB

Analyte	Result	Rep Limit
Surr: 1,2-Dichloroethane-d4	97.6	75-120
Surr: 4-Bromofluorobenzene	97.4	89-109
Surr: Toluene-d8	98.3	89-110

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

RunID: HA_091006A-3284302 Units: ug/L
Analysis Date: 10/06/2009 14:17 Analyst: MCB

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	51.4	103	50.0	47.8	95.6	7.3	21	83	124
1,1,1-Trichloroethane	50.0	48.2	96.3	50.0	46.9	93.8	2.7	26	79	127
1,1,2,2-Tetrachloroethane	50.0	48.5	97.0	50.0	46.9	93.7	3.5	26	73	128
1,1,2-Trichloroethane	50.0	49.1	98.3	50.0	47.2	94.4	4.1	20	84	121
1,1-Dichloroethane	50.0	46.6	93.2	50.0	45.2	90.5	2.9	23	79	125
1,1-Dichloroethene	50.0	48.4	96.9	50.0	46.5	93.0	4.1	23	84	123
1,2-Dibromo-3-chloropropane	50.0	49.9	99.8	50.0	48.3	96.7	3.2	35	54	131
1,2-Dichlorobenzene	50.0	48.7	97.4	50.0	47.4	94.9	2.6	21	84	116
1,2-Dichloroethane	50.0	48.4	96.8	50.0	47.3	94.6	2.3	21	80	124
1,2-Dichloropropane	50.0	49.6	99.3	50.0	48.5	97.1	2.3	27	82	121
1,3-Dichlorobenzene	50.0	48.5	97.0	50.0	47.5	95.0	2.0	18	84	116
1,4-Dichlorobenzene	50.0	48.2	96.4	50.0	46.4	92.7	3.9	21	84	115
2-Butanone	125	122	97.5	125	122	97.9	0.4	50	45	144
4-Methyl-2-pentanone	125	122	97.4	125	121	96.8	0.6	30	63	134
Acetone	125	106	85.0	125	108	86.7	2.0	58	11	192
Benzene	50.0	48.1	96.2	50.0	46.9	93.8	2.6	23	88	117
Bromodichloromethane	50.0	49.1	98.1	50.0	48.2	96.3	1.9	21	82	125
Bromoform	50.0	50.3	101	50.0	49.3	98.6	2.0	27	60	126
Bromomethane	50.0	60.9	122	50.0	58.3	117	4.3	28	56	153
Carbon disulfide	50.0	46.9	93.7	50.0	45.4	90.9	3.1	23	70	130
Carbon tetrachloride	50.0	48.4	96.9	50.0	47.1	94.3	2.7	35	77	123
Chlorobenzene	50.0	50.4	101	50.0	48.4	96.9	3.9	19	87	119

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09100232**
Method: **SW8260B** **Lab Batch ID:** **R217393**

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

RunID: HA_091006A-3284302 Units: ug/L
Analysis Date: 10/06/2009 14:17 Analyst: MCB

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	48.8	97.7	50.0	47.1	94.3	3.5	26	69	134
Chloroform	50.0	48.3	96.6	50.0	47.1	94.2	2.5	42	79	123
Chloromethane	50.0	44.4	88.8	50.0	41.7	83.3	6.4	28	62	137
cis-1,3-Dichloropropene	50.0	45.8	91.6	50.0	44.9	89.7	2.0	20	79	126
Dibromochloromethane	50.0	50.8	102	50.0	48.6	97.2	4.4	20	74	122
Ethylbenzene	50.0	48.2	96.3	50.0	45.4	90.8	5.9	16	90	114
Hexachloroethane	50.0	51.4	103	50.0	49.7	99.4	3.4	27	62	121
Isobutyl alcohol	500	507	101	500	475	95.0	6.5	50	34	156
Methyl tert-butyl ether	50.0	49.3	98.6	50.0	48.6	97.1	1.5	23	80	124
Methylene chloride	50.0	48.9	97.8	50.0	47.8	95.6	2.3	22	77	124
Styrene	50.0	49.1	98.2	50.0	46.9	93.8	4.6	19	87	119
Tetrachloroethene	50.0	50.0	100	50.0	47.3	94.7	5.5	20	81	125
Toluene	50.0	51.1	102	50.0	48.2	96.5	5.7	21	84	118
trans-1,3-Dichloropropene	50.0	46.4	92.8	50.0	44.5	89.1	4.2	20	79	128
Trichloroethene	50.0	49.4	98.7	50.0	48.6	97.1	1.7	20	84	124
Trichlorofluoromethane	50.0	45.3	90.5	50.0	44.1	88.1	2.7	25	78	132
Vinyl chloride	50.0	45.5	90.9	50.0	43.5	87.1	4.3	20	71	130
cis-1,2-Dichloroethene	50.0	47.1	94.3	50.0	46.5	93.1	1.3	28	81	123
m,p-Xylene	100	106	106	100	100	100	5.2	20	86	114
o-Xylene	50.0	50.2	100	50.0	48.2	96.4	4.1	17	87	117
trans-1,2-Dichloroethene	50.0	48.8	97.5	50.0	47.4	94.9	2.8	22	80	123
1,2-Dichloroethene (total)	100	95.9	95.9	100	93.9	94.0	2.0	28	82	122
1,3-Dichloropropene,Total	100	92.2	92.2	100	89.4	89.4	3.1	20	79	128
Xylenes,Total	150.0	156.2	103.9	150.0	148.2	99.06	4.8	20	86	117
Surr: 1,2-Dichloroethane-d4	50.0	48.7	97.3	50.0	48.7	97.4	0.1	30	75	120
Surr: 4-Bromofluorobenzene	50.0	49.5	98.9	50.0	48.8	97.7	1.3	30	89	109
Surr: Toluene-d8	50.0	49.7	99.5	50.0	50.0	100	0.6	30	89	110

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: Volatile Organics-RECAP Method 8260B
Method: SW8260B
WorkOrder: 09100232
Lab Batch ID: R217395

Method Blank

RunID: HB_091006A-3284348 Units: ug/Kg
Analysis Date: 10/06/2009 12:10 Analyst: MCB
Preparation Date: 10/06/2009 12:10 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
09100232-01A	S-3514ACE-B1-0-3
09100232-02A	S-3514ACE-B2-0-3
09100232-03A	S-3514ACE-B3-0-3
09100232-04A	S-3514ACE-B10-0-3
09100232-05A	S-3514ACE-B11-0-3
09100232-06A	S-3514ACE-B12-0-3

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09100232**
Method: **SW8260B** **Lab Batch ID:** **R217395**

Method Blank

RunID: HB_091006A-3284348 Units: ug/Kg
Analysis Date: 10/06/2009 12:10 Analyst: MCB
Preparation Date: 10/06/2009 12:10 Prep By: Method SW5035

Analyte	Result	Rep Limit
Surr: 1,2-Dichloroethane-d4	100.1	50-166
Surr: 4-Bromofluorobenzene	100.4	79-123
Surr: Toluene-d8	97.2	62-146

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

RunID: HB_091006A-3284346 Units: ug/Kg
Analysis Date: 10/06/2009 10:45 Analyst: MCB
Preparation Date: 10/06/2009 10:45 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	54.3	109	50.0	52.6	105	3.2	30	83	125
1,1,1-Trichloroethane	50.0	51.6	103	50.0	47.8	95.5	7.7	30	72	127
1,1,2,2-Tetrachloroethane	50.0	49.6	99.2	50.0	51.0	102	2.8	30	85	120
1,1,2-Trichloroethane	50.0	50.0	99.9	50.0	50.6	101	1.3	30	86	120
1,1-Dichloroethane	50.0	52.5	105	50.0	48.5	97.1	7.8	30	77	125
1,1-Dichloroethene	50.0	45.3	90.6	50.0	45.1	90.1	0.5	25	77	126
1,2-Dibromo-3-chloropropane	50.0	47.0	94.0	50.0	51.0	102	8.3	30	80	129
1,2-Dichlorobenzene	50.0	51.9	104	50.0	48.6	97.2	6.5	30	84	119
1,2-Dichloroethane	50.0	46.5	93.0	50.0	44.8	89.6	3.7	30	81	121
1,2-Dichloropropane	50.0	48.5	97.0	50.0	44.8	89.5	8.0	30	77	120
1,3-Dichlorobenzene	50.0	52.8	106	50.0	49.0	98.1	7.5	30	80	122
1,4-Dichlorobenzene	50.0	52.3	105	50.0	47.9	95.8	8.8	30	83	123
2-Butanone	125	122	97.9	125	128	103	4.6	30	71	124
4-Methyl-2-pentanone	125	116	92.8	125	118	94.5	1.9	30	76	132
Acetone	125	111	88.6	125	116	92.7	4.5	30	64	129
Benzene	50.0	57.4	115	50.0	49.8	99.7	14.0	21	77	123
Bromodichloromethane	50.0	49.6	99.3	50.0	47.3	94.6	4.9	30	81	124
Bromoform	50.0	50.2	100	50.0	51.1	102	1.7	30	77	128
Bromomethane	50.0	45.6	91.1	50.0	40.7	81.4	11.3	30	42	148
Carbon disulfide	50.0	49.5	98.9	50.0	45.1	90.2	9.2	30	69	132
Carbon tetrachloride	50.0	51.7	103	50.0	47.9	95.9	7.6	30	67	131
Chlorobenzene	50.0	53.8	108	50.0	49.5	99.1	8.2	20	82	119

Qualifiers:
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09100232**
Method: **SW8260B** **Lab Batch ID:** **R217395**

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

RunID: HB_091006A-3284346 Units: ug/Kg
Analysis Date: 10/06/2009 10:45 Analyst: MCB
Preparation Date: 10/06/2009 10:45 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	41.9	83.7	50.0	36.9	73.7	12.7	30	54	144
Chloroform	50.0	49.6	99.3	50.0	46.9	93.9	5.6	30	76	122
Chloromethane	50.0	44.4	88.8	50.0	39.6	79.2	11.5	30	55	129
cis-1,3-Dichloropropene	50.0	50.3	101	50.0	47.2	94.4	6.4	30	85	121
Dibromochloromethane	50.0	52.4	105	50.0	52.2	104	0.4	30	80	128
Ethylbenzene	50.0	59.1	118	50.0	54.8	110	7.5	30	77	121
Hexachloroethane	50.0	53.0	106	50.0	51.0	102	3.7	30	71	130
Isobutyl alcohol	500	411	82.2	500	450	90.0	9.0	30	53	132
Methyl tert-butyl ether	50.0	45.5	91.0	50.0	46.7	93.5	2.7	30	79	128
Methylene chloride	50.0	50.5	101	50.0	47.3	94.5	6.6	30	59	154
Styrene	50.0	55.9	112	50.0	51.6	103	8.0	30	74	125
Tetrachloroethene	50.0	56.3	113	50.0	50.9	102	10.1	30	78	127
Toluene	50.0	54.8	110	50.0	49.8	99.5	9.7	20	79	120
trans-1,3-Dichloropropene	50.0	51.7	103	50.0	50.7	101	2.0	30	84	126
Trichloroethene	50.0	53.1	106	50.0	46.5	93.0	13.3	23	79	125
Trichlorofluoromethane	50.0	42.6	85.2	50.0	40.9	81.8	4.2	30	68	131
Vinyl chloride	50.0	38.8	77.5	50.0	35.7	71.5	8.1	30	61	130
cis-1,2-Dichloroethene	50.0	50.8	102	50.0	48.7	97.3	4.3	30	77	123
m,p-Xylene	100	106	106	100	99.2	99.2	6.9	30	78	125
o-Xylene	50.0	54.1	108	50.0	48.9	97.8	10.0	30	78	121
trans-1,2-Dichloroethene	50.0	49.7	99.3	50.0	46.7	93.5	6.1	30	73	127
1,2-Dichloroethene (total)	100.0	100.5	100.5	100.0	95.40	95.40	5.2	30	76	124
Xylenes,Total	150.0	160.1	106.9	150.0	148.1	98.73	7.9	30	61	130
Surr: 1,2-Dichloroethane-d4	50.0	44.5	89.1	50.0	46.9	93.9	5.2	30	50	166
Surr: 4-Bromofluorobenzene	50.0	50.6	101	50.0	51.8	104	2.4	30	79	123
Surr: Toluene-d8	50.0	50.0	100	50.0	47.9	95.7	4.3	30	62	146

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

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09100232**
Method: **SW8260B** **Lab Batch ID:** **R217395**

Sample Spiked: 09100232-01
RunID: HB_091006A-3284355 Units: ug/Kg
Analysis Date: 10/06/2009 19:42 Analyst: MCB
Preparation Date: 10/06/2009 12:54 Prep By: hbo 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	52.1	32.7	62.7 *	49	34.1	69.5 *	4.24	30	79	124
1,1,1-Trichloroethane	ND	52.1	12.9	24.7 *	49	13.2	27.0 *	2.68	30	72	129
1,1,2,2-Tetrachloroethane	ND	52.1	33.6	64.4 *	49	31.3	63.9 *	6.97	30	69	140
1,1,2-Trichloroethane	ND	52.1	36.7	70.5 *	49	38.0	77.5	3.27	30	73	134
1,1-Dichloroethane	ND	52.1	19.5	37.4 *	49	20.2	41.2 *	3.63	30	77	127
1,1-Dichloroethene	ND	52.1	8.91	17.1 *	49	9.09	18.6 *	2.00	40	70	128
1,2-Dibromo-3-chloropropane	ND	52.1	30.2	58.0 *	49	32.3	65.9	6.62	30	61	128
1,2-Dichlorobenzene	ND	52.1	26.2	50.2 *	49	30.1	61.3 *	13.9	30	76	122
1,2-Dichloroethane	ND	52.1	33.9	65.0 *	49	33.8	68.9 *	0.313	30	75	128
1,2-Dichloropropane	ND	52.1	28.8	55.3 *	49	29.2	59.6 *	1.45	30	79	126
1,3-Dichlorobenzene	ND	52.1	23.2	44.6 *	49	28.1	57.3 *	19.0	30	71	119
1,4-Dichlorobenzene	ND	52.1	24.1	46.3 *	49	29.0	59.1 *	18.3	30	72	118
2-Butanone	ND	130	138	106	122	175	143 *	23.7	30	64	141
4-Methyl-2-pentanone	ND	130	80.0	61.4 *	122	75.5	61.7 *	5.70	30	66	146
Acetone	ND	130	178	137	122	232	190 *	26.5	30	69	140
Benzene	ND	52.1	16.8	32.2 *	49	19.1	38.9 *	12.7	22	77	121
Bromodichloromethane	ND	52.1	33.6	64.6 *	49	33.6	68.6 *	0.0503	30	80	128
Bromoform	ND	52.1	36.7	70.5	49	36.9	75.3	0.431	30	62	119
Bromomethane	ND	52.1	31.3	60.1 *	49	30.0	61.2 *	4.40	30	66	141
Carbon disulfide	ND	52.1	7.70	14.8 *	49	8.55	17.4 *	10.5	30	63	130
Carbon tetrachloride	ND	52.1	9.56	18.3 *	49	9.83	20.1 *	2.78	30	75	137
Chlorobenzene	ND	52.1	26.4	50.6 *	49	29.1	59.3 *	9.70	45	72	132
Chloroethane	ND	52.1	33.8	64.9 *	49	34.0	69.3 *	0.475	30	75	132
Chloroform	ND	52.1	26.5	50.8 *	49	27.3	55.6 *	2.88	30	75	127
Chloromethane	ND	52.1	33.1	63.5 *	49	32.5	66.4 *	1.76	30	70	128
cis-1,3-Dichloropropene	ND	52.1	32.4	62.3 *	49	31.2	63.7 *	3.80	30	81	135
Dibromochloromethane	ND	52.1	38.2	73.2	49	38.7	79.0	1.44	30	72	134
Ethylbenzene	ND	52.1	18.0	34.5 *	49	20.2	41.1 *	11.3	30	67	135
Hexachloroethane	ND	52.1	13.7	26.3 *	49	18.7	38.3 *	31.2 *	30	53	121
Isobutyl alcohol	ND	521	234	45.0 *	490	190	38.8 *	20.7	30	47	147
Methyl tert-butyl ether	ND	52.1	34.6	66.4 *	49	33.6	68.6 *	2.81	30	80	129
Methylene chloride	ND	52.1	32.6	62.5 *	49	32.7	66.7 *	0.404	30	74	143
Styrene	ND	52.1	27.2	52.2 *	49	29.3	59.8 *	7.55	30	69	139

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

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

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

Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09100232**
Method: **SW8260B** **Lab Batch ID:** **R217395**

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

Sample Spiked: 09100232-01
RunID: HB_091006A-3284355 Units: ug/Kg
Analysis Date: 10/06/2009 19:42 Analyst: MCB
Preparation Date: 10/06/2009 12:54 Prep By: hbo 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	52.1	14.3	27.4 *	49	16.0	32.6 *	11.2	30	68	139
Toluene	ND	52.1	21.1	40.5 *	49	23.8	48.5 *	11.8	39	79	123
trans-1,3-Dichloropropene	ND	52.1	34.7	66.7 *	49	34.4	70.2 *	0.970	30	75	141
Trichloroethene	ND	52.1	19.5	37.5 *	49	22.0	44.9 *	12.0	25	82	128
Trichlorofluoromethane	ND	52.1	36.5	70.1	49	36.8	75.0	0.654	30	70	134
Vinyl chloride	ND	52.1	31.7	60.8 *	49	31.0	63.3 *	2.20	30	72	131
cis-1,2-Dichloroethene	ND	52.1	27.6	53.0 *	49	27.7	56.5 *	0.201	30	83	124
m,p-Xylene	ND	104	38.8	37.2 *	98	40.9	41.8 *	5.41	30	66	133
o-Xylene	ND	52.1	23.3	44.7 *	49	25.1	51.3 *	7.68	30	71	134
trans-1,2-Dichloroethene	ND	52.1	17.5	33.5 *	49	17.1	34.9 *	2.13	30	78	127
1,2-Dichloroethene (total)	ND	104	45.1	43.3 *	98	44.8	45.7 *	0.693	30	78	126
Xylenes,Total	ND	156	62.1	39.7	147	66.0	45.0	6.27	30		
Surr: 1,2-Dichloroethane-d4	ND	52.1	44.3	85.0	49	40.0	81.7	10.0	30	50	165
Surr: 4-Bromofluorobenzene	ND	52.1	52.3	100	49	48.0	97.9	8.51	30	79	123
Surr: Toluene-d8	ND	52.1	52.4	101	49	48.6	99.1	7.57	30	62	146

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

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

Sample Receipt Checklist

And

Chain of Custody

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

Sample Receipt Checklist

Workorder:	**09100232**	Received By:	**COM**
Date and Time Received:	**10/6/2009 9:45:00 AM**	Carrier name:	**FedEx-Std 1 Day PM**
Temperature:	**4°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?** TIMES DIFFER	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: Jackson, Amy K.
Contact Date & Time: 10/6/2009 10:00:00 AM
Client Name Contacted: Wendell Thompson

Non Conformance Issues: B10-0-3 collection date/time on sample labels is 10/5/09 14:10, on CoC 10/5/09 14:05. B11-0-3 collection date/time on sample labels is 10/5/09 14:05, on CoC 10/5/09 14:10.

Client Instructions: Collection dates/times on CoC are correct, sample container collection dates and times were mislabeled prior to shipping.

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

Maximum Contaminant Level Exceedance Report For

MATERIALS MANAGEMENT GROUP, INC.

Certificate of Analysis Number:

09100232

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	**Project Name:**	3514ACE PROPOSED SEABROOK GA	
	Site:	SEABROOK BOAT LAUNCH	
	Site Address:	4900 LAKESHORE DR NEW ORLEANS	LA
	PO Number:	3514ACE	
	State:	Louisiana	
	State Cert. No.:	02048	
	Date Reported:	10/28/2009	

Client Sample ID: S-3514ACE-B12-0-3 **SPL Sample ID:** 09100232-06B

Analyte	Result	PQL	MCL	Units	DF	Qual	Date Analyzed	Test	SeqNo
Benzo(a)pyrene	4.8	0.85	0.33	ug/Kg	5	>MCL	10/08/2009 19:28	SW8270D	3288175
Benzo(b)fluoranthene	7.1	0.85	0.62	ug/Kg	5	>MCL	10/08/2009 19:28	SW8270D	3288175
Dibenz(a,h)anthracene	0.96	0.85	0.33	ug/Kg	5	>MCL	10/08/2009 19:28	SW8270D	3288175
Indeno(1,2,3-cd)pyrene	3.4	0.85	0.62	ug/Kg	5	>MCL	10/08/2009 19:28	SW8270D	3288175

SPL, Inc.
Analysis Request & Chain of Custody Record

SPL Workorder No. 286166
0910232 page 1 of 1

Client Name: Materials Management Group
Address: 3520 General De Gaulle Dr. #3010
City New Orleans State Louisiana Zip 70114
Phone/Fax: (504) 368-0568 (504) 368-9403
Client Contact: Karly Gibbs Email: karlygibbs@mmgnola.com
Project Name/No.: Limited PIIESA, Proposed Seabrook Gate 3514ACE
Site Name: Seabrook Boat Launch
Site Location: 4900 Lakeshore Dr., N.O. LA 70122
Invoice To: Mimi Lo Ph: (504) 368-0568

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

Requested Analysis

	SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	TPH-G 5035 8015B	VOCs 5035 8260	TPH-DRO 8015B	SVOCs 8270	Pesticides 8081	PCBs 8082	Herbicides 8151	RECAP Metals 6010 7400	FULL TCLP
(21)	S-3514ACE-B1-0-3	10-5-09	11:45		X	S	X,G,V	4,8,X		21	X	X	X	X	X	X	X	X	
(7)	S-3514ACE-B2-0-3	10-5-09	12:30		X	S	X,G,V	4,8,X		7	X	X	X	X	X	X	X	X	
(7)	S-3514ACE-B3-0-3	10-5-09	12:45		X	S	X,G,V	4,8,X		7	X	X	X	X	X	X	X	X	
(7)	S-3514ACE-B10-0-3	10-5-09	14:05		X	S	X,G,V	4,8,X		7	X	X	X	X	X	X	X	X	
(7)	S-3514ACE-B11-0-3	10-5-09	14:10		X	S	X,G,V	4,8,X		7	X	X	X	X	X	X	X	X	
(7)	S-3514ACE-B12-0-3	10-5-09	14:30		X	S	X,G,V	4,8,X		7	X	X	X	X	X	X	X	X	
(4)	W-3514ACE-TB-10-5-09	10-5-09	16:00		X	W	V	40		6	X	X							
(6)	W-3514ACE-FB-10-5-09	10-5-09	16:05			W	V			4	X	X							
1(*)	WA-3514ACE-COMP1	10-5-09	13:00	X		S	G	X		1									X
1(*)	WA-3514ACE-COMP4	10-5-09	15:00	X		S	G	X		1									X

X MS/MSD

Client/Consultant Remarks:
RUSH 3 Day *
(*) Hold for Analysis

Laboratory remarks: NO/CS 8090 6952 4557
RM 6003 (80 cores 32)
Z 460 (12) DBL (30)
RUSH 12 RL-31 (THS)

Intact? ☑ Y ☐ N
Ice? ☑ Y ☐ N
Temp: 4.0 (4-10)

Requested TAT
☐ 1 Business Day ☐ Contract
☐ 2 Business Days ☐ Standard
☒ 3 Business Days
☐ Other
Rush TAT requires prior notice

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 10-5-09	time 18:00	2. Received by: FED Ex
3. Relinquished by: FED Ex	date 10-6-09	time 0900	4. Received by: [signature]
5. Relinquished by: [signature]	date 10-6-09	time 0945	6. Received by Laboratory: Conrad Mouton

☐ 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

FedEx Express — **US Airbill**

FedEx Tracking Number 8690 6952 4557

0215

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 10-5-09 FedEx Tracking Number 869069524557

Sender's Name Wendell Thompson Phone 504 715-7849

Company Materials Management Group

Address 3520 General De Gaulle 3010

Dept./Floor/Suite/Room

City New Orleans State LA ZIP 70114

2 Your Internal Billing Reference 3514 ACE

3 To

Recipient's Name SHIPPING AND RECEIVING Phone 337 237-4775

Company SOUTHERN PETROLEUM LAB

Recipient's Address 200 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 70583-5200

0399937015

8690 6952 4557

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

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

[ ] Cargo Aircraft Only

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 61

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

Credit Card Auth.

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

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

October 12, 2009 4:50:59PM

Client: SPL, Inc. (Scott, LA) / (11017)
500 Ambassador Caffery Pkwy
Scott, LA 70583
Attn: Amy Jackson

Work Order: NSJ0518
Project Name: SPL
Project Nbr: 09100232
P/O Nbr:
Date Received: 10/07/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
09100232-01C	NSJ0518-01	10/05/09 11:45
09100232-02C	NSJ0518-02	10/05/09 12:30
09100232-03C	NSJ0518-03	10/05/09 12:45
09100232-04C	NSJ0518-04	10/05/09 14:05
09100232-05C	NSJ0518-05	10/05/09 14:10
09100232-06C	NSJ0518-06	10/05/09 14:30

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

Louisiana Certification Number: 01945

The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.
Estimated uncertainty is available upon request.
This report has been electronically signed.
Report Approved By:

Andrea Runnels

Andrea Runnels

Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0518
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100232
Attn	Amy Jackson	Received:	10/07/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ0518-01 (09100232-01C - Soil) Sampled: 10/05/09 11:45								
Chlorinated Herbicides by EPA Method 8151A								
2,4-D	ND		mg/kg	0.0657	1	10/12/09 05:29	SW846 8151A	9100972
Dalapon	ND		mg/kg	0.165	1	10/12/09 05:29	SW846 8151A	9100972
2,4-DB	ND		mg/kg	0.0657	1	10/12/09 05:29	SW846 8151A	9100972
Dicamba	ND		mg/kg	0.0325	1	10/12/09 05:29	SW846 8151A	9100972
Dichloroprop	ND		mg/kg	0.0657	1	10/12/09 05:29	SW846 8151A	9100972
Dinoseb	ND		mg/kg	0.0657	1	10/12/09 05:29	SW846 8151A	9100972
MCPA	ND		mg/kg	3.28	1	10/12/09 05:29	SW846 8151A	9100972
MCPP	ND		mg/kg	3.28	1	10/12/09 05:29	SW846 8151A	9100972
4-Nitrophenol	ND		mg/kg	0.0325	1	10/12/09 05:29	SW846 8151A	9100972
Pentachlorophenol	ND		mg/kg	0.0325	1	10/12/09 05:29	SW846 8151A	9100972
Picloram	ND		mg/kg	0.0325	1	10/12/09 05:29	SW846 8151A	9100972
2,4,5-T	ND		mg/kg	0.0325	1	10/12/09 05:29	SW846 8151A	9100972
2,4,5-TP (Silvex)	ND		mg/kg	0.0167	1	10/12/09 05:29	SW846 8151A	9100972
Surr: Dichloroacetic Acid (10-150%)	*56 %*					*10/12/09 05:29*	*SW846 8151A*	*9100972*
Sample ID: NSJ0518-02 (09100232-02C - Soil) Sampled: 10/05/09 12:30								
Chlorinated Herbicides by EPA Method 8151A								
2,4-D	ND		mg/kg	0.0647	1	10/12/09 05:59	SW846 8151A	9100972
Dalapon	ND		mg/kg	0.162	1	10/12/09 05:59	SW846 8151A	9100972
2,4-DB	ND		mg/kg	0.0647	1	10/12/09 05:59	SW846 8151A	9100972
Dicamba	ND		mg/kg	0.0320	1	10/12/09 05:59	SW846 8151A	9100972
Dichloroprop	ND		mg/kg	0.0647	1	10/12/09 05:59	SW846 8151A	9100972
Dinoseb	ND		mg/kg	0.0647	1	10/12/09 05:59	SW846 8151A	9100972
MCPA	ND		mg/kg	3.23	1	10/12/09 05:59	SW846 8151A	9100972
MCPP	ND		mg/kg	3.23	1	10/12/09 05:59	SW846 8151A	9100972
4-Nitrophenol	ND		mg/kg	0.0320	1	10/12/09 05:59	SW846 8151A	9100972
Pentachlorophenol	ND		mg/kg	0.0320	1	10/12/09 05:59	SW846 8151A	9100972
Picloram	ND		mg/kg	0.0320	1	10/12/09 05:59	SW846 8151A	9100972
2,4,5-T	ND		mg/kg	0.0320	1	10/12/09 05:59	SW846 8151A	9100972
2,4,5-TP (Silvex)	ND		mg/kg	0.0165	1	10/12/09 05:59	SW846 8151A	9100972
Surr: Dichloroacetic Acid (10-150%)	*82 %*					*10/12/09 05:59*	*SW846 8151A*	*9100972*
Sample ID: NSJ0518-03 (09100232-03C - Soil) Sampled: 10/05/09 12:45								
Chlorinated Herbicides by EPA Method 8151A								
2,4-D	ND		mg/kg	0.0648	1	10/12/09 06:29	SW846 8151A	9100972
Dalapon	ND		mg/kg	0.162	1	10/12/09 06:29	SW846 8151A	9100972
2,4-DB	ND		mg/kg	0.0648	1	10/12/09 06:29	SW846 8151A	9100972
Dicamba	ND		mg/kg	0.0320	1	10/12/09 06:29	SW846 8151A	9100972
Dichloroprop	ND		mg/kg	0.0648	1	10/12/09 06:29	SW846 8151A	9100972
Dinoseb	ND		mg/kg	0.0648	1	10/12/09 06:29	SW846 8151A	9100972
MCPA	ND		mg/kg	3.23	1	10/12/09 06:29	SW846 8151A	9100972
MCPP	ND		mg/kg	3.23	1	10/12/09 06:29	SW846 8151A	9100972
4-Nitrophenol	ND		mg/kg	0.0320	1	10/12/09 06:29	SW846 8151A	9100972

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0518
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100232
Attn	Amy Jackson	Received:	10/07/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ0518-03 (09100232-03C - Soil) - cont. Sampled: 10/05/09 12:45								
Chlorinated Herbicides by EPA Method 8151A - cont.								
Pentachlorophenol	ND		mg/kg	0.0320	1	10/12/09 06:29	SW846 8151A	9100972
Picloram	ND		mg/kg	0.0320	1	10/12/09 06:29	SW846 8151A	9100972
2,4,5-T	ND		mg/kg	0.0320	1	10/12/09 06:29	SW846 8151A	9100972
2,4,5-TP (Silvex)	ND		mg/kg	0.0165	1	10/12/09 06:29	SW846 8151A	9100972
Surr: Dichloroacetic Acid (10-150%)	*56 %*					*10/12/09 06:29*	*SW846 8151A*	*9100972*
Sample ID: NSJ0518-04 (09100232-04C - Soil) Sampled: 10/05/09 14:05								
Chlorinated Herbicides by EPA Method 8151A								
2,4-D	ND	RL1	mg/kg	0.661	10	10/12/09 06:59	SW846 8151A	9100972
Dalapon	ND	RL1	mg/kg	1.66	10	10/12/09 06:59	SW846 8151A	9100972
2,4-DB	ND	RL1	mg/kg	0.661	10	10/12/09 06:59	SW846 8151A	9100972
Dicamba	ND	RL1	mg/kg	0.327	10	10/12/09 06:59	SW846 8151A	9100972
Dichloroprop	ND	RL1	mg/kg	0.661	10	10/12/09 06:59	SW846 8151A	9100972
Dinoseb	ND	RL1	mg/kg	0.661	10	10/12/09 06:59	SW846 8151A	9100972
MCPA	ND	RL1	mg/kg	33.0	10	10/12/09 06:59	SW846 8151A	9100972
MCPP	ND	RL1	mg/kg	33.0	10	10/12/09 06:59	SW846 8151A	9100972
4-Nitrophenol	ND	RL1	mg/kg	0.327	10	10/12/09 06:59	SW846 8151A	9100972
Pentachlorophenol	ND	RL1	mg/kg	0.327	10	10/12/09 06:59	SW846 8151A	9100972
Picloram	ND	RL1	mg/kg	0.327	10	10/12/09 06:59	SW846 8151A	9100972
2,4,5-T	ND	RL1	mg/kg	0.327	10	10/12/09 06:59	SW846 8151A	9100972
2,4,5-TP (Silvex)	ND	RL1	mg/kg	0.169	10	10/12/09 06:59	SW846 8151A	9100972
Surr: Dichloroacetic Acid (10-150%)	*	*Z3*				*10/12/09 06:59*	*SW846 8151A*	*9100972*
Sample ID: NSJ0518-05 (09100232-05C - Soil) Sampled: 10/05/09 14:10								
Chlorinated Herbicides by EPA Method 8151A								
2,4-D	ND		mg/kg	0.0667	1	10/12/09 07:29	SW846 8151A	9100972
Dalapon	ND		mg/kg	0.167	1	10/12/09 07:29	SW846 8151A	9100972
2,4-DB	ND		mg/kg	0.0667	1	10/12/09 07:29	SW846 8151A	9100972
Dicamba	ND		mg/kg	0.0330	1	10/12/09 07:29	SW846 8151A	9100972
Dichloroprop	ND		mg/kg	0.0667	1	10/12/09 07:29	SW846 8151A	9100972
Dinoseb	ND		mg/kg	0.0667	1	10/12/09 07:29	SW846 8151A	9100972
MCPA	ND		mg/kg	3.33	1	10/12/09 07:29	SW846 8151A	9100972
MCPP	ND		mg/kg	3.33	1	10/12/09 07:29	SW846 8151A	9100972
4-Nitrophenol	ND		mg/kg	0.0330	1	10/12/09 07:29	SW846 8151A	9100972
Pentachlorophenol	ND		mg/kg	0.0330	1	10/12/09 07:29	SW846 8151A	9100972
Picloram	ND		mg/kg	0.0330	1	10/12/09 07:29	SW846 8151A	9100972
2,4,5-T	ND		mg/kg	0.0330	1	10/12/09 07:29	SW846 8151A	9100972
2,4,5-TP (Silvex)	ND		mg/kg	0.0170	1	10/12/09 07:29	SW846 8151A	9100972
Surr: Dichloroacetic Acid (10-150%)	*45 %*					*10/12/09 07:29*	*SW846 8151A*	*9100972*

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0518
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100232
Attn	Amy Jackson	Received:	10/07/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ0518-06 (09100232-06C - Soil) Sampled: 10/05/09 14:30								
Chlorinated Herbicides by EPA Method 8151A								
2,4-D	ND		mg/kg	0.0659	1	10/12/09 07:59	SW846 8151A	9100972
Dalapon	ND		mg/kg	0.165	1	10/12/09 07:59	SW846 8151A	9100972
2,4-DB	ND		mg/kg	0.0659	1	10/12/09 07:59	SW846 8151A	9100972
Dicamba	ND		mg/kg	0.0326	1	10/12/09 07:59	SW846 8151A	9100972
Dichloroprop	ND		mg/kg	0.0659	1	10/12/09 07:59	SW846 8151A	9100972
Dinoseb	ND		mg/kg	0.0659	1	10/12/09 07:59	SW846 8151A	9100972
MCPA	ND		mg/kg	3.29	1	10/12/09 07:59	SW846 8151A	9100972
MCPP	ND		mg/kg	3.29	1	10/12/09 07:59	SW846 8151A	9100972
4-Nitrophenol	ND		mg/kg	0.0326	1	10/12/09 07:59	SW846 8151A	9100972
Pentachlorophenol	ND		mg/kg	0.0326	1	10/12/09 07:59	SW846 8151A	9100972
Picloram	ND		mg/kg	0.0326	1	10/12/09 07:59	SW846 8151A	9100972
2,4,5-T	ND		mg/kg	0.0326	1	10/12/09 07:59	SW846 8151A	9100972
2,4,5-TP (Silvex)	ND		mg/kg	0.0168	1	10/12/09 07:59	SW846 8151A	9100972
Surr: Dichloroacetic Acid (10-150%)	*89 %*					*10/12/09 07:59*	*SW846 8151A*	*9100972*

TestAmerica
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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0518
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100232
Attn	Amy Jackson	Received:	10/07/09 08:00

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Chlorinated Herbicides by EPA Method 8151A							
SW846 8151A	9100972	NSJ0518-01	30.45	10.00	10/09/09 07:10	AJF	EPA 8151A
SW846 8151A	9100972	NSJ0518-02	30.93	10.00	10/09/09 07:10	AJF	EPA 8151A
SW846 8151A	9100972	NSJ0518-03	30.90	10.00	10/09/09 07:10	AJF	EPA 8151A
SW846 8151A	9100972	NSJ0518-04	30.25	10.00	10/09/09 07:10	AJF	EPA 8151A
SW846 8151A	9100972	NSJ0518-05	30.01	10.00	10/09/09 07:10	AJF	EPA 8151A
SW846 8151A	9100972	NSJ0518-06	30.35	10.00	10/09/09 07:10	AJF	EPA 8151A

TestAmerica
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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0518
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100232
Attn	Amy Jackson	Received:	10/07/09 08:00

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Chlorinated Herbicides by EPA Method 8151A						
9100972-BLK1						
2,4-D	<0.0120		mg/kg	9100972	9100972-BLK1	10/11/09 21:35
Dalapon	<0.0120		mg/kg	9100972	9100972-BLK1	10/11/09 21:35
2,4-DB	<0.0100		mg/kg	9100972	9100972-BLK1	10/11/09 21:35
Dicamba	<0.0110		mg/kg	9100972	9100972-BLK1	10/11/09 21:35
Dichloroprop	<0.0140		mg/kg	9100972	9100972-BLK1	10/11/09 21:35
Dinoseb	<0.0100		mg/kg	9100972	9100972-BLK1	10/11/09 21:35
MCPA	<0.274		mg/kg	9100972	9100972-BLK1	10/11/09 21:35
MCPP	<0.489		mg/kg	9100972	9100972-BLK1	10/11/09 21:35
2,4,5-T	<0.0100		mg/kg	9100972	9100972-BLK1	10/11/09 21:35
2,4,5-TP (Silvex)	<0.0110		mg/kg	9100972	9100972-BLK1	10/11/09 21:35
Surrogate: Dichloroacetic Acid	134%			9100972	9100972-BLK1	10/11/09 21:35

TestAmerica
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Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0518
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100232
Attn	Amy Jackson	Received:	10/07/09 08:00

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Chlorinated Herbicides by EPA Method 8151A								
9100972-BS1								
2,4-D	0.167	0.153		mg/kg	92%	10 - 103	9100972	10/11/09 22:04
Dalapon	0.167	0.0197		mg/kg	12%	10 - 150	9100972	10/11/09 22:04
2,4-DB	0.167	0.154		mg/kg	92%	10 - 150	9100972	10/11/09 22:04
Dicamba	0.167	0.113		mg/kg	68%	10 - 146	9100972	10/11/09 22:04
Dichloroprop	0.167	0.166		mg/kg	100%	10 - 150	9100972	10/11/09 22:04
Dinoseb	0.167	0.0670		mg/kg	40%	10 - 138	9100972	10/11/09 22:04
MCPA	16.7	15.7		mg/kg	94%	10 - 150	9100972	10/11/09 22:04
MCPP	16.7	7.86		mg/kg	47%	10 - 150	9100972	10/11/09 22:04
2,4,5-T	0.167	0.112		mg/kg	67%	10 - 150	9100972	10/11/09 22:04
2,4,5-TP (Silvex)	0.167	0.111		mg/kg	67%	10 - 139	9100972	10/11/09 22:04
Surrogate: Dichloroacetic Acid	0.167	0.145			87%	10 - 150	9100972	10/11/09 22:04

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0518
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100232
Attn	Amy Jackson	Received:	10/07/09 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Chlorinated Herbicides by EPA Method 8151A										
9100972-MS1										
2,4-D	ND	0.204		mg/kg	0.164	124%	10 - 161	9100972	NSJ0518-01	10/11/09 22:34
Dalapon	ND	ND	M8	mg/kg	0.164	0%	10 - 150	9100972	NSJ0518-01	10/11/09 22:34
2,4-DB	ND	0.137		mg/kg	0.164	83%	10 - 182	9100972	NSJ0518-01	10/11/09 22:34
Dicamba	ND	0.123		mg/kg	0.164	75%	10 - 146	9100972	NSJ0518-01	10/11/09 22:34
Dichloroprop	ND	0.208		mg/kg	0.164	126%	10 - 178	9100972	NSJ0518-01	10/11/09 22:34
Dinoseb	ND	0.0581		mg/kg	0.164	35%	10 - 138	9100972	NSJ0518-01	10/11/09 22:34
MCPA	ND	20.2		mg/kg	16.4	123%	10 - 200	9100972	NSJ0518-01	10/11/09 22:34
MCPP	ND	13.3		mg/kg	16.4	81%	10 - 200	9100972	NSJ0518-01	10/11/09 22:34
2,4,5-T	ND	0.116		mg/kg	0.164	71%	10 - 157	9100972	NSJ0518-01	10/11/09 22:34
2,4,5-TP (Silvex)	ND	0.123		mg/kg	0.164	75%	10 - 139	9100972	NSJ0518-01	10/11/09 22:34
Surrogate: Dichloroacetic Acid		0.205		mg/kg	0.164	125%	10 - 150	9100972	NSJ0518-01	10/11/09 22:34

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0518
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100232
Attn	Amy Jackson	Received:	10/07/09 08:00

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Chlorinated Herbicides by EPA Method 8151A												
9100972-MSD1												
2,4-D	ND	0.173		mg/kg	0.163	106%	10 - 161	16	50	9100972	NSJ0518-01	10/11/09 23:03
Dalapon	ND	ND	M8	mg/kg	0.163	0%	10 - 150		50	9100972	NSJ0518-01	10/11/09 23:03
2,4-DB	ND	0.125		mg/kg	0.163	77%	10 - 182	9	50	9100972	NSJ0518-01	10/11/09 23:03
Dicamba	ND	0.138		mg/kg	0.163	85%	10 - 146	12	50	9100972	NSJ0518-01	10/11/09 23:03
Dichloroprop	ND	0.175		mg/kg	0.163	107%	10 - 178	17	50	9100972	NSJ0518-01	10/11/09 23:03
Dinoseb	ND	0.0557		mg/kg	0.163	34%	10 - 138	4	50	9100972	NSJ0518-01	10/11/09 23:03
MCPA	ND	14.3		mg/kg	16.3	87%	10 - 200	34	50	9100972	NSJ0518-01	10/11/09 23:03
MCPP	ND	12.5		mg/kg	16.3	76%	10 - 200	6	50	9100972	NSJ0518-01	10/11/09 23:03
2,4,5-T	ND	0.106		mg/kg	0.163	65%	10 - 157	9	50	9100972	NSJ0518-01	10/11/09 23:03
2,4,5-TP (Silvex)	ND	0.124		mg/kg	0.163	76%	10 - 139	1	50	9100972	NSJ0518-01	10/11/09 23:03
Surrogate: Dichloroacetic Acid		0.150		mg/kg	0.163	92%	10 - 150			9100972	NSJ0518-01	10/11/09 23:03

TestAmerica
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Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0518
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100232
Attn	Amy Jackson	Received:	10/07/09 08:00

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	AIHA	Nelac	Louisiana
SW846 8151A	Soil	N/A	X	X

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0518
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100232
Attn	Amy Jackson	Received:	10/07/09 08:00

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method	Matrix	Analyte

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0518
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100232
Attn	Amy Jackson	Received:	10/07/09 08:00

DATA QUALIFIERS AND DEFINITIONS

M8 The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).

RL1 Reporting limit raised due to sample matrix effects.

Z3 The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER RECE

NSJ0518

Cooler Received/Opened On: 10/7/2009 @ 8:00

1. Tracking # 8407 (last 4 digits, FedEx)

Courier : Fed-ex Ir Gun ID: 95610068

2. Temperature of rep. sample or temp blank when opened: 1.3 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

   If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

   Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

   b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

   b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#_____

BIS = Broken in shipment

SPL, Inc.
500 Ambassador Caffery Parkway

Scott, LA 70583-8544
(337) 237-4775

CHAIN-OF-CUSTODY RECORD

Subcontractor: **KENYATTA THOMPSON**
TEST AMERICA-NASHVILLE
2960 FOSTER CREIGHTON DRIVE

NASHVILLE, TN 37204

TEL: (800) 765-0980
FAX: (615) 726-3404

Acct #:

NSJ0518
10/12/09 23 59

06-Oct-09

Sample ID	Client Sample	Matrix	Collection Date	Due Date	Requested Tests SW3550C	SW8151A				
09100232-01C	S-3514ACE-B1-0-3	Soil	10/05/09 11:45	10/09/09		1	ms/msD			01
09100232-01C	S-3514ACE-B1-0-3	Soil	10/05/09 11:45	10/07/09	1					1
09100232-02C	S-3514ACE-B2-0-3	Soil	10/05/09 12:30	10/09/09		1				2
09100232-02C	S-3514ACE-B2-0-3	Soil	10/05/09 12:30	10/07/09	1					1
09100232-03C	S-3514ACE-B3-0-3	Soil	10/05/09 12:45	10/09/09		1				3
09100232-03C	S-3514ACE-B3-0-3	Soil	10/05/09 12:45	10/07/09	1					1
09100232-04C	S-3514ACE-B10-0-3	Soil	10/05/09 14:05	10/09/09		1				4
09100232-04C	S-3514ACE-B10-0-3	Soil	10/05/09 14:05	10/07/09	1					2
09100232-05C	S-3514ACE-B11-0-3	Soil	10/05/09 14:10	10/09/09		1				5
09100232-05C	S-3514ACE-B11-0-3	Soil	10/05/09 14:10	10/07/09	1					1
09100232-06C	S-3514ACE-B12-0-3	Soil	10/05/09 14:30	10/09/09		1				6
09100232-06C	S-3514ACE-B12-0-3	Soil	10/05/09 14:30	10/07/09	1					1

CHECKED OCT 0 6 2009

RUSH

Comments: 8151 HERBICIDES-Please contact Amy Jackson for questions (800-304-5227). Please issue a full PDF report by e-mail (including COC documentation) to ajackson@spl-inc.com.

ms/msD · 09100232-01C

		Date/Time			Date/Time
Relinquished by:	Sheila Graham	10/6/09 17:00	Received by:	S. M	10/6/09 8:00
Relinquished by:			Received by:		

TestAmerica
ANALYTICAL TESTING CORPORATION

NASHVILLE ALERT FORM FOR SAMPLE LOGIN

This form is to be emailed only to the appropriate parties. The email will serve as the document control of the date and time received/sent.

ALERT INFORMATION

Project TAT **3 DAY** **Documentation Level: II III IV**

Client Name:	**SPL, Inc. (Scott, LA)**
Client Number:	**1408058**
Project Name:	**SPL**
Project Number:	
Date to receive cooler:	**10/7/09**
How many samples are there?	**6**
Matrix?	**Soils**
What tests will be on the COC?	**8151 herbs**
Will a copy of the COC be faxed?	YES or NO Please highlight or circle the appropriate answer.
Is this Project TAT Pre-Approved?	YES or NO Please highlight/circle the appropriate answer. Login, for pre-approved projects, please answer demographic "Approved Rush (YES)?" (60271) for every sample

PURPOSE OF THIS ALERT:

Heads up for incoming project: **3 day TAT for 6 soils for 8151 analysis.**

Or

Project changes prior to sample login:

LOGIN: REMEMBER TO ALWAYS PRINT CLIENT NOTES, WHEN APPLICABLE.

Project Manager & Extension: **Andrea Runnels** **1166**

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

Case Narrative for:

MATERIALS MANAGEMENT GROUP, INC.

Certificate of Analysis Number:

09100272

Report To:		Project Name:	3514ACE PROPOSED SEABROOK GA
MATERIALS MANAGEMENT GROUP, INC.		Site:	SEABROOK BOAT LAUNCH
Karly Gibbs		Site Address:	4900 LAKESHORE DR
3520 GENERAL DEGAULLE DR.			NEW ORLEANS LA
SUITE 3010		PO Number:	3514ACE
NEW ORLEANS		State:	Louisiana
LA		State Cert. No.:	02048
70114-		Date Reported:	10/28/2009
ph: (504) 368-0568	fax:		

The soil samples submitted for Herbicides by method 8151 analysis were subcontracted to TestAmerica Nashville. The data as submitted by the sub-contract laboratory 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:
Total Metals by method 6020: Lab batch 83842-The sample randomly 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 Antimony 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 by method 8270D: Lab batch 83800-The recovery of target analyte 2,4-Dinitrophenol in the LCSD sample exceeded the upper laboratory control limit. The recoveries in the LCS, MS, and MSD samples were within control limits. The recoveries of target analytes Dimethylphthalate and Isophorone in the MS sample exceeded the lower laboratory control limits. The MS/MSD RPDs of target analytes 2-Nitroaniline, 3-Nitroaniline, Acenaphthene, Naphthalene, and the surrogate 2-Fluorobiphenyl exceeded the laboratory control limits. LCS/LCSD RPDs of all target analytes were within control limits. Lab batch 83861-The LCS/LCSD RPDs of several target analytes exceeded the laboratory control limits. The target analytes were not detected in associated field sample, W-3514ACE-RB-B8-10-6-09.

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

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

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

10/28/2009

Date

Amy K. Jackson
Project Manager

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

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

Case Narrative for:

MATERIALS MANAGEMENT GROUP, INC.

Certificate of Analysis Number:

09100272

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

10/28/2009

Date

Amy K. Jackson
Project Manager

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

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MATERIALS MANAGEMENT GROUP, INC.

Certificate of Analysis Number:

09100272

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: 3514ACE PROPOSED SEABROOK GA
Site: SEABROOK BOAT LAUNCH
Site Address: 4900 LAKESHORE DR
NEW ORLEANS LA
PO Number: 3514ACE
State: Louisiana
State Cert. No.: 02048
Date Reported: 10/28/2009

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
SD-3514ACE-B4-0-3	09100272-01	Soil	10/6/2009 2:30:00 PM	10/7/2009 10:15:00 AM		☐
SD-3514ACE-B6-30-35	09100272-02	Soil	10/6/2009 2:00:00 PM	10/7/2009 10:15:00 AM		☐
SD-3514-ACE-B7-0-3	09100272-03	Soil	10/6/2009 3:45:00 PM	10/7/2009 10:15:00 AM		☐
SD-3514-ACE-B8-0-3	09100272-04	Soil	10/6/2009 3:15:00 PM	10/7/2009 10:15:00 AM		☐
SD-3514ACE-B8-0-3A	09100272-05	Soil	10/6/2009 3:15:00 PM	10/7/2009 10:15:00 AM		☐
SD-3514ACE-B9-0-3	09100272-06	Soil	10/6/2009 3:30:00 PM	10/7/2009 10:15:00 AM		☐
WA-3514ACE-COMP2	09100272-07	Soil	10/6/2009 4:10:00 PM	10/7/2009 10:15:00 AM		☐
WA-3514ACE-COMP3	09100272-08	Soil	10/6/2009 4:15:00 PM	10/7/2009 10:15:00 AM		☐
W-3514ACE-TB-10-6-09	09100272-09	Water	10/6/2009 3:00:00 PM	10/7/2009 10:15:00 AM		☐
W-3514ACE-FB-10-6-09	09100272-10	Water	10/6/2009 3:05:00 PM	10/7/2009 10:15:00 AM		☐
W-3514ACE-RB-B8-10-6-09	09100272-11	Water	10/6/2009 12:00:00 PM	10/7/2009 10:15:00 AM		☐

10/28/2009
Date

Amy K. Jackson
Project Manager

Ron Benjamin
Laboratory Director

Tristan Davis
Quality Assurance Officer

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

Client Sample ID: SD-3514ACE-B4-0-3 **Collected:** 10/06/2009 14:30 **SPL Sample ID:** 09100272-01

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL BY COLD VAPOR					**SW7471B**		**Units: mg/Kg**	
Mercury	ND		0.1		1	10/09/09 16:34	PFB	3289816

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7471A	10/09/2009 9:00	PFB	1.00

METALS BY METHOD 6020 (ICP/MS), TOTAL				MCL	SW6020		Units: mg/Kg	
Antimony	ND		0.25	3.1	2.5	10/09/09 12:48	RJD	3289268
Arsenic	ND		1	12	2.5	10/09/09 12:48	RJD	3289268
Barium	64.8		2.5	550	2.5	10/09/09 12:48	RJD	3289268
Beryllium	ND		0.5	8	2.5	10/09/09 12:48	RJD	3289268
Cadmium	ND		0.5	3.9	2.5	10/09/09 12:48	RJD	3289268
Chromium	1.51		1	23	2.5	10/09/09 12:48	RJD	3289268
Cobalt	0.757		0.5	470	2.5	10/09/09 12:48	RJD	3289268
Copper	1.16		0.5	310	2.5	10/09/09 12:48	RJD	3289268
Lead	7.64		0.25	100	2.5	10/09/09 12:48	RJD	3289268
Nickel	1.33		0.5	160	2.5	10/09/09 12:48	RJD	3289268
Selenium	ND		2.5	20	2.5	10/09/09 12:48	RJD	3289268
Silver	ND		0.25	39	2.5	10/09/09 12:48	RJD	3289268
Thallium	ND		1.25	0.55	2.5	10/09/09 12:48	RJD	3289268
Vanadium	ND		2.5	55	2.5	10/09/09 12:48	RJD	3289268
Zinc	6.53		2.5	2300	2.5	10/09/09 12:48	RJD	3289268

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	10/08/2009 10:45	SA	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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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-3514ACE-B4-0-3 **Collected:** 10/06/2009 14:30 **SPL Sample ID:** 09100272-01

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ORGANOCHLORINE PESTICIDES BY METHOD 8081B - SOIL			**MCL**	**SW8081**	**Units: mg/Kg**		
4,4´-DDD	ND		0.0017	1	10/13/09 1:47	LDD	3293876
4,4´-DDE	ND		0.0017	1	10/13/09 1:47	LDD	3293876
4,4´-DDT	ND		0.0017	1	10/13/09 1:47	LDD	3293876
Aldrin	ND		0.0017	1	10/13/09 1:47	LDD	3293876
alpha-BHC	0.007		0.0017	1	10/13/09 1:47	LDD	3293876
alpha-Chlordane	ND		0.0017	1	10/13/09 1:47	LDD	3293876
beta-BHC	0.008		0.0017	1	10/13/09 1:47	LDD	3293876
Chlordane	ND		0.0067	1	10/13/09 1:47	LDD	3293876
delta-BHC	ND		0.0017	1	10/13/09 1:47	LDD	3293876
Dieldrin	ND		0.0017	1	10/13/09 1:47	LDD	3293876
Endosulfan I	ND		0.0017	1	10/13/09 1:47	LDD	3293876
Endosulfan II	ND		0.0017	1	10/13/09 1:47	LDD	3293876
Endosulfan sulfate	ND		0.0017	1	10/13/09 1:47	LDD	3293876
Endrin	ND		0.0017	1	10/13/09 1:47	LDD	3293876
Endrin aldehyde	ND		0.0017	1	10/13/09 1:47	LDD	3293876
Endrin ketone	ND		0.0017	1	10/13/09 1:47	LDD	3293876
gamma-BHC	0.0028		0.0017	1	10/13/09 1:47	LDD	3293876
gamma-Chlordane	ND		0.0017	1	10/13/09 1:47	LDD	3293876
Heptachlor	ND		0.0017	1	10/13/09 1:47	LDD	3293876
Heptachlor epoxide	ND		0.0017	1	10/13/09 1:47	LDD	3293876
Methoxychlor	ND		0.0017	1	10/13/09 1:47	LDD	3293876
Toxaphene	ND		0.17	1	10/13/09 1:47	LDD	3293876
Surr: Decachlorobiphenyl	64.9	%	10-180	1	10/13/09 1:47	LDD	3293876
Surr: Tetrachloro-m-xylene	65.0	%	10-157	1	10/13/09 1:47	LDD	3293876

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/08/2009 15:30	TCM	1.00

POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL			**MCL**	**SW8082**	**Units: mg/Kg**		
Aroclor 1016	ND		0.033	1	10/09/09 21:28	LDD	3292160
Aroclor 1221	ND		0.033	1	10/09/09 21:28	LDD	3292160
Aroclor 1232	ND		0.033	1	10/09/09 21:28	LDD	3292160
Aroclor 1242	ND		0.033	1	10/09/09 21:28	LDD	3292160
Aroclor 1248	ND		0.033	1	10/09/09 21:28	LDD	3292160
Aroclor 1254	ND		0.033	1	10/09/09 21:28	LDD	3292160
Aroclor 1260	ND		0.033	1	10/09/09 21:28	LDD	3292160
Surr: Decachlorobiphenyl	82.7	%	10-187	1	10/09/09 21:28	LDD	3292160
Surr: Tetrachloro-m-xylene	86.1	%	10-153	1	10/09/09 21:28	LDD	3292160

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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-3514ACE-B4-0-3 **Collected:** 10/06/2009 14:30 **SPL Sample ID:** 09100272-01

Site: **SEABROOK BOAT LAUNCH**

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

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/08/2009 15:31	TCM	1.00

RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				MCL	SW8015C	Units: mg/Kg	
Diesel Range Organics (C10-C28)	ND		10	1	10/09/09 17:10	DF	3289868
Surr: o-Terphenyl	78.0	%	12-145	1	10/09/09 17:10	DF	3289868

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/07/2009 12:33	TCM	1.00

RECAP GASOLINE RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Gasoline Range Organics (C6-C10)	ND		5.3	50	10/08/09 18:38	KJ	3288364
Surr: 1,4-Difluorobenzene	94.1	%	56-151	50	10/08/09 18:38	KJ	3288364
Surr: 4-Bromofluorobenzene	118	%	55-148	50	10/08/09 18:38	KJ	3288364

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/07/2009 11:56	hbo	1.06

RECAP OIL RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Oil Range Organics (C28-C35)	ND		10	1	10/09/09 17:10	DF	3289883
Surr: o-Terphenyl	77.8	%	10-148	1	10/09/09 17:10	DF	3289883

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/07/2009 13:30	TCM	1.00

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SCOTT, LA 70583
(337) 237-4775

Client Sample ID: SD-3514ACE-B4-0-3 **Collected:** 10/06/2009 14:30 **SPL Sample ID:** 09100272-01

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP SEMIVOLATILE ORGANICS BY EPA 8270D				**MCL**		**SW8270D**	**Units: mg/Kg**	
1,1-Biphenyl	ND		0.33	190	1	10/09/09 12:36	KTK	3290129
1,2,4,5-Tetrachlorobenzene	ND		0.17	1.1	1	10/09/09 12:36	KTK	3290129
1,2,4-Trichlorobenzene	ND		0.17	14	1	10/09/09 12:36	KTK	3290129
1,3-Dinitrobenzene	ND		0.17	0.25	1	10/09/09 12:36	KTK	3290129
2,3,4,6-Tetrachlorophenol	ND		0.17	31	1	10/09/09 12:36	KTK	3290129
2,4,5-Trichlorophenol	ND		0.17	320	1	10/09/09 12:36	KTK	3290129
2,4,6-Trichlorophenol	ND		0.17	1.3	1	10/09/09 12:36	KTK	3290129
2,4-Dichlorophenol	ND		0.17	12	1	10/09/09 12:36	KTK	3290129
2,4-Dimethylphenol	ND		0.17	20	1	10/09/09 12:36	KTK	3290129
2,4-Dinitrophenol	ND		0.66	1.7	1	10/09/09 12:36	KTK	3290129
2,4-Dinitrotoluene	ND		0.17	1	1	10/09/09 12:36	KTK	3290129
2,6-Dinitrotoluene	ND		0.17	0.39	1	10/09/09 12:36	KTK	3290129
2-Chloronaphthalene	ND		0.17	370	1	10/09/09 12:36	KTK	3290129
2-Chlorophenol	ND		0.17	1.4	1	10/09/09 12:36	KTK	3290129
2-Methylnaphthalene	ND		0.17	1.7	1	10/09/09 12:36	KTK	3290129
2-Nitroaniline	ND		0.33	1.7	1	10/09/09 12:36	KTK	3290129
3,3´-Dichlorobenzidine	ND		0.17	0.9	1	10/09/09 12:36	KTK	3290129
3-Nitroaniline	ND		0.33	1.7	1	10/09/09 12:36	KTK	3290129
4-Chloroaniline	ND		0.17	1.5	1	10/09/09 12:36	KTK	3290129
4-Nitroaniline	ND		0.33	1.7	1	10/09/09 12:36	KTK	3290129
4-Nitrophenol	ND		0.66	2.6	1	10/09/09 12:36	KTK	3290129
Acenaphthene	ND		0.17	220	1	10/09/09 12:36	KTK	3290129
Acenaphthylene	ND		0.17	88	1	10/09/09 12:36	KTK	3290129
Aniline	ND		0.065	0.065	1	10/09/09 12:36	KTK	3290129
Anthracene	ND		0.17	120	1	10/09/09 12:36	KTK	3290129
Benz(a)anthracene	ND		0.17	330	1	10/09/09 12:36	KTK	3290129
Benzo(a)pyrene	ND		0.17	0.33	1	10/09/09 12:36	KTK	3290129
Benzo(b)fluoranthene	ND		0.17	0.62	1	10/09/09 12:36	KTK	3290129
Benzo(k)fluoranthene	ND		0.17	6.2	1	10/09/09 12:36	KTK	3290129
Bis(2-chloroethyl)ether	ND		0.17	0.33	1	10/09/09 12:36	KTK	3290129
Bis(2-chloroisopropyl)ether	ND		0.17	0.8	1	10/09/09 12:36	KTK	3290129
Bis(2-ethylhexyl)phthalate	ND		0.17	32	1	10/09/09 12:36	KTK	3290129
Butyl benzyl phthalate	ND		0.17	220	1	10/09/09 12:36	KTK	3290129
Chrysene	ND		0.17	62	1	10/09/09 12:36	KTK	3290129
Dibenz(a,h)anthracene	ND		0.17	0.33	1	10/09/09 12:36	KTK	3290129
Dibenzofuran	ND		0.17	21	1	10/09/09 12:36	KTK	3290129
Diethyl phthalate	ND		0.17	360	1	10/09/09 12:36	KTK	3290129
Dimethyl phthalate	ND		0.17	1500	1	10/09/09 12:36	KTK	3290129
Di-n-octyl phthalate	ND		0.17	110	1	10/09/09 12:36	KTK	3290129

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

Client Sample ID: SD-3514ACE-B4-0-3 **Collected:** 10/06/2009 14:30 **SPL Sample ID:** 09100272-01

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
Fluoranthene	ND			0.17	220	1	10/09/09 12:36	KTK	3290129
Fluorene	ND			0.17	230	1	10/09/09 12:36	KTK	3290129
Hexachlorobenzene	ND			0.17	0.33	1	10/09/09 12:36	KTK	3290129
Hexachlorobutadiene	ND			0.17	0.77	1	10/09/09 12:36	KTK	3290129
Hexachlorocyclopentadiene	ND			0.33	0.51	1	10/09/09 12:36	KTK	3290129
Indeno(1,2,3-cd)pyrene	ND			0.17	0.62	1	10/09/09 12:36	KTK	3290129
Isophorone	ND			0.17	0.56	1	10/09/09 12:36	KTK	3290129
Naphthalene	ND			0.17	1.5	1	10/09/09 12:36	KTK	3290129
Nitrobenzene	ND			0.17	0.33	1	10/09/09 12:36	KTK	3290129
N-Nitrosodi-n-propylamine	ND			0.17	0.33	1	10/09/09 12:36	KTK	3290129
N-Nitrosodiphenylamine	ND			0.17	2.1	1	10/09/09 12:36	KTK	3290129
Pentachlorophenol	ND			0.66	1.7	1	10/09/09 12:36	KTK	3290129
Phenanthrene	ND			0.17	660	1	10/09/09 12:36	KTK	3290129
Phenol	ND			0.17	22	1	10/09/09 12:36	KTK	3290129
Pyrene	ND			0.17	230	1	10/09/09 12:36	KTK	3290129
Surr: 2,4,6-Tribromophenol	97.7		%	10-170		1	10/09/09 12:36	KTK	3290129
Surr: 2-Fluorobiphenyl	78.4		%	35-116		1	10/09/09 12:36	KTK	3290129
Surr: 2-Fluorophenol	87.7		%	16-139		1	10/09/09 12:36	KTK	3290129
Surr: 4-Terphenyl-d14	83.3		%	30-145		1	10/09/09 12:36	KTK	3290129
Surr: Nitrobenzene-d5	81.3		%	10-152		1	10/09/09 12:36	KTK	3290129
Surr: Phenol-d5	83.8		%	17-151		1	10/09/09 12:36	KTK	3290129

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/08/2009 8:51	TCM	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)
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MI - Matrix Interference

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

Client Sample ID: SD-3514ACE-B4-0-3 **Collected:** 10/06/2009 14:30 **SPL Sample ID:** 09100272-01

Site: SEABROOK BOAT LAUNCH

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		0.0052	2.7	1	10/08/09 14:11	TDD	3288786
1,1,1-Trichloroethane	ND		0.0052	4	1	10/08/09 14:11	TDD	3288786
1,1,2,2-Tetrachloroethane	ND		0.0021	0.006	1	10/08/09 14:11	TDD	3288786
1,1,2-Trichloroethane	ND		0.0052	0.058	1	10/08/09 14:11	TDD	3288786
1,1-Dichloroethane	ND		0.0052	7.5	1	10/08/09 14:11	TDD	3288786
1,1-Dichloroethene	ND		0.0052	0.085	1	10/08/09 14:11	TDD	3288786
1,2-Dibromo-3-chloropropane	ND		0.0031	0.01	1	10/08/09 14:11	TDD	3288786
1,2-Dichlorobenzene	ND		0.0052	18	1	10/08/09 14:11	TDD	3288786
1,2-Dichloroethane	ND		0.0052	0.035	1	10/08/09 14:11	TDD	3288786
1,2-Dichloropropane	ND		0.0052	0.042	1	10/08/09 14:11	TDD	3288786
1,3-Dichlorobenzene	ND		0.0052	2.3	1	10/08/09 14:11	TDD	3288786
1,4-Dichlorobenzene	ND		0.0052	5.7	1	10/08/09 14:11	TDD	3288786
2-Butanone	ND		0.021	5	1	10/08/09 14:11	TDD	3288786
4-Methyl-2-pentanone	ND		0.01	0.45	1	10/08/09 14:11	TDD	3288786
Acetone	ND		0.1	1.5	1	10/08/09 14:11	TDD	3288786
Benzene	ND		0.0052	0.051	1	10/08/09 14:11	TDD	3288786
Bromodichloromethane	ND		0.0052	0.92	1	10/08/09 14:11	TDD	3288786
Bromoform	ND		0.0052	1.8	1	10/08/09 14:11	TDD	3288786
Bromomethane	ND		0.01	0.035	1	10/08/09 14:11	TDD	3288786
Carbon disulfide	ND		0.0052	11	1	10/08/09 14:11	TDD	3288786
Carbon tetrachloride	ND		0.0052	0.11	1	10/08/09 14:11	TDD	3288786
Chlorobenzene	ND		0.0052	3	1	10/08/09 14:11	TDD	3288786
Chloroethane	ND		0.0052	0.013	1	10/08/09 14:11	TDD	3288786
Chloroform	ND		0.0052	0.046	1	10/08/09 14:11	TDD	3288786
Chloromethane	ND		0.01	0.1	1	10/08/09 14:11	TDD	3288786
Dibromochloromethane	ND		0.0052	1	1	10/08/09 14:11	TDD	3288786
Ethylbenzene	ND		0.0052	19	1	10/08/09 14:11	TDD	3288786
Hexachloroethane	ND		0.0052	0.17	1	10/08/09 14:11	TDD	3288786
Isobutyl alcohol	ND		0.1	30	1	10/08/09 14:11	TDD	3288786
Methyl tert-butyl ether	ND		0.0052	0.077	1	10/08/09 14:11	TDD	3288786
Methylene chloride	ND		0.01	0.017	1	10/08/09 14:11	TDD	3288786
Styrene	ND		0.0052	11	1	10/08/09 14:11	TDD	3288786
Tetrachloroethene	ND		0.0052	0.18	1	10/08/09 14:11	TDD	3288786
Toluene	ND		0.0052	20	1	10/08/09 14:11	TDD	3288786
Trichloroethene	ND		0.0052	0.073	1	10/08/09 14:11	TDD	3288786
Trichlorofluoromethane	ND		0.0052	37	1	10/08/09 14:11	TDD	3288786
Vinyl chloride	ND		0.0052	0.013	1	10/08/09 14:11	TDD	3288786
cis-1,3-Dichloropropene	ND		0.0052	0.04	1	10/08/09 14:11	TDD	3288786
trans-1,3-Dichloropropene	ND		0.0052	0.04	1	10/08/09 14:11	TDD	3288786

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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: SD-3514ACE-B4-0-3 **Collected:** 10/06/2009 14:30 **SPL Sample ID:** 09100272-01

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.0052	0.49	1	10/08/09 14:11	TDD	3288786
trans-1,2-Dichloroethene	ND			0.0052	0.77	1	10/08/09 14:11	TDD	3288786
m,p-Xylene	ND			0.0052	150	1	10/08/09 14:11	TDD	3288786
o-Xylene	ND			0.0052	150	1	10/08/09 14:11	TDD	3288786
1,3-Dichloropropene,Total	ND			0.0052	0.04	1	10/08/09 14:11	TDD	3288786
1,2-Dichloroethene (total)	ND			0.0052	0.49	1	10/08/09 14:11	TDD	3288786
Xylenes,Total	ND			0.0052	150	1	10/08/09 14:11	TDD	3288786
Surr: 1,2-Dichloroethane-d4	90.3		%	50-166		1	10/08/09 14:11	TDD	3288786
Surr: 4-Bromofluorobenzene	102		%	79-123		1	10/08/09 14:11	TDD	3288786
Surr: Toluene-d8	100		%	62-146		1	10/08/09 14:11	TDD	3288786

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/07/2009 11:55	hbo	1.04

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

Client Sample ID: SD-3514ACE-B6-30-35 **Collected:** 10/06/2009 14:00 **SPL Sample ID:** 09100272-02

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL BY COLD VAPOR					**SW7471B**		**Units: mg/Kg**	
Mercury	0.11		0.1		1	10/09/09 16:50	PFB	3289820

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7471A	10/09/2009 9:00	PFB	1.00

METALS BY METHOD 6020 (ICP/MS), TOTAL				MCL	SW6020		Units: mg/Kg	
Antimony	ND		0.25	3.1	2.5	10/09/09 13:09	RJD	3289276
Arsenic	1.63		1	12	2.5	10/09/09 13:09	RJD	3289276
Barium	49		2.5	550	2.5	10/09/09 13:09	RJD	3289276
Beryllium	ND		0.5	8	2.5	10/09/09 13:09	RJD	3289276
Cadmium	ND		0.5	3.9	2.5	10/09/09 13:09	RJD	3289276
Chromium	7.99		1	23	2.5	10/09/09 13:09	RJD	3289276
Cobalt	2.2		0.5	470	2.5	10/09/09 13:09	RJD	3289276
Copper	7.29		0.5	310	2.5	10/09/09 13:09	RJD	3289276
Lead	35.1		0.25	100	2.5	10/09/09 13:09	RJD	3289276
Nickel	5.25		0.5	160	2.5	10/09/09 13:09	RJD	3289276
Selenium	ND		2.5	20	2.5	10/09/09 13:09	RJD	3289276
Silver	ND		0.25	39	2.5	10/09/09 13:09	RJD	3289276
Thallium	ND		1.25	0.55	2.5	10/09/09 13:09	RJD	3289276
Vanadium	9.9		2.5	55	2.5	10/09/09 13:09	RJD	3289276
Zinc	42.5		2.5	2300	2.5	10/09/09 13:09	RJD	3289276

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	10/08/2009 10:45	SA	1.00

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

Client Sample ID: SD-3514ACE-B6-30-35 **Collected:** 10/06/2009 14:00 **SPL Sample ID:** 09100272-02

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ORGANOCHLORINE PESTICIDES BY METHOD 8081B - SOIL			**MCL**	**SW8081**	**Units: mg/Kg**		
4,4´-DDD	ND		0.0017	1	10/13/09 2:10	LDD	3293877
4,4´-DDE	ND		0.0017	1	10/13/09 2:10	LDD	3293877
4,4´-DDT	ND		0.0017	1	10/13/09 2:10	LDD	3293877
Aldrin	ND		0.0017	1	10/13/09 2:10	LDD	3293877
alpha-BHC	ND		0.0017	1	10/13/09 2:10	LDD	3293877
alpha-Chlordane	ND		0.0017	1	10/13/09 2:10	LDD	3293877
beta-BHC	ND		0.0017	1	10/13/09 2:10	LDD	3293877
Chlordane	ND		0.0067	1	10/13/09 2:10	LDD	3293877
delta-BHC	ND		0.0017	1	10/13/09 2:10	LDD	3293877
Dieldrin	ND		0.0017	1	10/13/09 2:10	LDD	3293877
Endosulfan I	ND		0.0017	1	10/13/09 2:10	LDD	3293877
Endosulfan II	ND		0.0017	1	10/13/09 2:10	LDD	3293877
Endosulfan sulfate	ND		0.0017	1	10/13/09 2:10	LDD	3293877
Endrin	ND		0.0017	1	10/13/09 2:10	LDD	3293877
Endrin aldehyde	ND		0.0017	1	10/13/09 2:10	LDD	3293877
Endrin ketone	ND		0.0017	1	10/13/09 2:10	LDD	3293877
gamma-BHC	ND		0.0017	1	10/13/09 2:10	LDD	3293877
gamma-Chlordane	ND		0.0017	1	10/13/09 2:10	LDD	3293877
Heptachlor	ND		0.0017	1	10/13/09 2:10	LDD	3293877
Heptachlor epoxide	ND		0.0017	1	10/13/09 2:10	LDD	3293877
Methoxychlor	ND		0.0017	1	10/13/09 2:10	LDD	3293877
Toxaphene	ND		0.17	1	10/13/09 2:10	LDD	3293877
Surr: Decachlorobiphenyl	64.5	%	10-180	1	10/13/09 2:10	LDD	3293877
Surr: Tetrachloro-m-xylene	57.3	%	10-157	1	10/13/09 2:10	LDD	3293877

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/08/2009 15:30	TCM	1.00

POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL			**MCL**	**SW8082**	**Units: mg/Kg**		
Aroclor 1016	ND		0.033	1	10/09/09 21:48	LDD	3292161
Aroclor 1221	ND		0.033	1	10/09/09 21:48	LDD	3292161
Aroclor 1232	ND		0.033	1	10/09/09 21:48	LDD	3292161
Aroclor 1242	ND		0.033	1	10/09/09 21:48	LDD	3292161
Aroclor 1248	ND		0.033	1	10/09/09 21:48	LDD	3292161
Aroclor 1254	ND		0.033	1	10/09/09 21:48	LDD	3292161
Aroclor 1260	ND		0.033	1	10/09/09 21:48	LDD	3292161
Surr: Decachlorobiphenyl	86.1	%	10-187	1	10/09/09 21:48	LDD	3292161
Surr: Tetrachloro-m-xylene	74.2	%	10-153	1	10/09/09 21:48	LDD	3292161

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

Client Sample ID: SD-3514ACE-B6-30-35 **Collected:** 10/06/2009 14:00 **SPL Sample ID:** 09100272-02

Site: **SEABROOK BOAT LAUNCH**

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

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/08/2009 15:31	TCM	1.00

RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				MCL	SW8015C	Units: mg/Kg	
Diesel Range Organics (C10-C28)	24		10	1	10/09/09 19:57	DF	3290223
Surr: o-Terphenyl	55.3	%	12-145	1	10/09/09 19:57	DF	3290223

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/07/2009 12:33	TCM	1.00

RECAP GASOLINE RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Gasoline Range Organics (C6-C10)	ND		5.4	50	10/08/09 19:11	KJ	3288365
Surr: 1,4-Difluorobenzene	92.5	%	56-151	50	10/08/09 19:11	KJ	3288365
Surr: 4-Bromofluorobenzene	117	%	55-148	50	10/08/09 19:11	KJ	3288365

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/07/2009 12:24	hbo	1.09

RECAP OIL RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Oil Range Organics (C28-C35)	13		10	1	10/09/09 19:57	DF	3290230
Surr: o-Terphenyl	55.2	%	10-148	1	10/09/09 19:57	DF	3290230

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/07/2009 13:30	TCM	1.00

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500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
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Client Sample ID: SD-3514ACE-B6-30-35 **Collected:** 10/06/2009 14:00 **SPL Sample ID:** 09100272-02

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP SEMIVOLATILE ORGANICS BY EPA 8270D				**MCL**		**SW8270D**	**Units: mg/Kg**	
1,1-Biphenyl	ND		0.33	190	1	10/09/09 13:50	KTK	3290132
1,2,4,5-Tetrachlorobenzene	ND		0.17	1.1	1	10/09/09 13:50	KTK	3290132
1,2,4-Trichlorobenzene	ND		0.17	14	1	10/09/09 13:50	KTK	3290132
1,3-Dinitrobenzene	ND		0.17	0.25	1	10/09/09 13:50	KTK	3290132
2,3,4,6-Tetrachlorophenol	ND		0.17	31	1	10/09/09 13:50	KTK	3290132
2,4,5-Trichlorophenol	ND		0.17	320	1	10/09/09 13:50	KTK	3290132
2,4,6-Trichlorophenol	ND		0.17	1.3	1	10/09/09 13:50	KTK	3290132
2,4-Dichlorophenol	ND		0.17	12	1	10/09/09 13:50	KTK	3290132
2,4-Dimethylphenol	ND		0.17	20	1	10/09/09 13:50	KTK	3290132
2,4-Dinitrophenol	ND		0.66	1.7	1	10/09/09 13:50	KTK	3290132
2,4-Dinitrotoluene	ND		0.17	1	1	10/09/09 13:50	KTK	3290132
2,6-Dinitrotoluene	ND		0.17	0.39	1	10/09/09 13:50	KTK	3290132
2-Chloronaphthalene	ND		0.17	370	1	10/09/09 13:50	KTK	3290132
2-Chlorophenol	ND		0.17	1.4	1	10/09/09 13:50	KTK	3290132
2-Methylnaphthalene	ND		0.17	1.7	1	10/09/09 13:50	KTK	3290132
2-Nitroaniline	ND		0.33	1.7	1	10/09/09 13:50	KTK	3290132
3,3´-Dichlorobenzidine	ND		0.17	0.9	1	10/09/09 13:50	KTK	3290132
3-Nitroaniline	ND		0.33	1.7	1	10/09/09 13:50	KTK	3290132
4-Chloroaniline	ND		0.17	1.5	1	10/09/09 13:50	KTK	3290132
4-Nitroaniline	ND		0.33	1.7	1	10/09/09 13:50	KTK	3290132
4-Nitrophenol	ND		0.66	2.6	1	10/09/09 13:50	KTK	3290132
Acenaphthene	ND		0.17	220	1	10/09/09 13:50	KTK	3290132
Acenaphthylene	ND		0.17	88	1	10/09/09 13:50	KTK	3290132
Aniline	ND		0.065	0.065	1	10/09/09 13:50	KTK	3290132
Anthracene	ND		0.17	120	1	10/09/09 13:50	KTK	3290132
Benz(a)anthracene	ND		0.17	330	1	10/09/09 13:50	KTK	3290132
Benzo(a)pyrene	ND		0.17	0.33	1	10/09/09 13:50	KTK	3290132
Benzo(b)fluoranthene	ND		0.17	0.62	1	10/09/09 13:50	KTK	3290132
Benzo(k)fluoranthene	ND		0.17	6.2	1	10/09/09 13:50	KTK	3290132
Bis(2-chloroethyl)ether	ND		0.17	0.33	1	10/09/09 13:50	KTK	3290132
Bis(2-chloroisopropyl)ether	ND		0.17	0.8	1	10/09/09 13:50	KTK	3290132
Bis(2-ethylhexyl)phthalate	ND		0.17	32	1	10/09/09 13:50	KTK	3290132
Butyl benzyl phthalate	ND		0.17	220	1	10/09/09 13:50	KTK	3290132
Chrysene	ND		0.17	62	1	10/09/09 13:50	KTK	3290132
Dibenz(a,h)anthracene	ND		0.17	0.33	1	10/09/09 13:50	KTK	3290132
Dibenzofuran	ND		0.17	21	1	10/09/09 13:50	KTK	3290132
Diethyl phthalate	ND		0.17	360	1	10/09/09 13:50	KTK	3290132
Dimethyl phthalate	ND		0.17	1500	1	10/09/09 13:50	KTK	3290132
Di-n-octyl phthalate	ND		0.17	110	1	10/09/09 13:50	KTK	3290132

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Client Sample ID: SD-3514ACE-B6-30-35 **Collected:** 10/06/2009 14:00 **SPL Sample ID:** 09100272-02

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
Fluoranthene	0.29			0.17	220	1	10/09/09 13:50	KTK	3290132
Fluorene	ND			0.17	230	1	10/09/09 13:50	KTK	3290132
Hexachlorobenzene	ND			0.17	0.33	1	10/09/09 13:50	KTK	3290132
Hexachlorobutadiene	ND			0.17	0.77	1	10/09/09 13:50	KTK	3290132
Hexachlorocyclopentadiene	ND			0.33	0.51	1	10/09/09 13:50	KTK	3290132
Indeno(1,2,3-cd)pyrene	ND			0.17	0.62	1	10/09/09 13:50	KTK	3290132
Isophorone	ND			0.17	0.56	1	10/09/09 13:50	KTK	3290132
Naphthalene	ND			0.17	1.5	1	10/09/09 13:50	KTK	3290132
Nitrobenzene	ND			0.17	0.33	1	10/09/09 13:50	KTK	3290132
N-Nitrosodi-n-propylamine	ND			0.17	0.33	1	10/09/09 13:50	KTK	3290132
N-Nitrosodiphenylamine	ND			0.17	2.1	1	10/09/09 13:50	KTK	3290132
Pentachlorophenol	ND			0.66	1.7	1	10/09/09 13:50	KTK	3290132
Phenanthrene	ND			0.17	660	1	10/09/09 13:50	KTK	3290132
Phenol	ND			0.17	22	1	10/09/09 13:50	KTK	3290132
Pyrene	0.23			0.17	230	1	10/09/09 13:50	KTK	3290132
Surr: 2,4,6-Tribromophenol	76.2		%	10-170		1	10/09/09 13:50	KTK	3290132
Surr: 2-Fluorobiphenyl	75.4		%	35-116		1	10/09/09 13:50	KTK	3290132
Surr: 2-Fluorophenol	76.9		%	16-139		1	10/09/09 13:50	KTK	3290132
Surr: 4-Terphenyl-d14	74.2		%	30-145		1	10/09/09 13:50	KTK	3290132
Surr: Nitrobenzene-d5	77.4		%	10-152		1	10/09/09 13:50	KTK	3290132
Surr: Phenol-d5	75.9		%	17-151		1	10/09/09 13:50	KTK	3290132

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/08/2009 8:51	TCM	1.00

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-3514ACE-B6-30-35 **Collected:** 10/06/2009 14:00 **SPL Sample ID:** 09100272-02

Site: SEABROOK BOAT LAUNCH

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		0.005	2.7	1	10/08/09 14:40	TDD	3288787
1,1,1-Trichloroethane	ND		0.005	4	1	10/08/09 14:40	TDD	3288787
1,1,2,2-Tetrachloroethane	ND		0.002	0.006	1	10/08/09 14:40	TDD	3288787
1,1,2-Trichloroethane	ND		0.005	0.058	1	10/08/09 14:40	TDD	3288787
1,1-Dichloroethane	ND		0.005	7.5	1	10/08/09 14:40	TDD	3288787
1,1-Dichloroethene	ND		0.005	0.085	1	10/08/09 14:40	TDD	3288787
1,2-Dibromo-3-chloropropane	ND		0.003	0.01	1	10/08/09 14:40	TDD	3288787
1,2-Dichlorobenzene	ND		0.005	18	1	10/08/09 14:40	TDD	3288787
1,2-Dichloroethane	ND		0.005	0.035	1	10/08/09 14:40	TDD	3288787
1,2-Dichloropropane	ND		0.005	0.042	1	10/08/09 14:40	TDD	3288787
1,3-Dichlorobenzene	ND		0.005	2.3	1	10/08/09 14:40	TDD	3288787
1,4-Dichlorobenzene	ND		0.005	5.7	1	10/08/09 14:40	TDD	3288787
2-Butanone	ND		0.02	5	1	10/08/09 14:40	TDD	3288787
4-Methyl-2-pentanone	ND		0.01	0.45	1	10/08/09 14:40	TDD	3288787
Acetone	ND		0.1	1.5	1	10/08/09 14:40	TDD	3288787
Benzene	ND		0.005	0.051	1	10/08/09 14:40	TDD	3288787
Bromodichloromethane	ND		0.005	0.92	1	10/08/09 14:40	TDD	3288787
Bromoform	ND		0.005	1.8	1	10/08/09 14:40	TDD	3288787
Bromomethane	ND		0.01	0.035	1	10/08/09 14:40	TDD	3288787
Carbon disulfide	ND		0.005	11	1	10/08/09 14:40	TDD	3288787
Carbon tetrachloride	ND		0.005	0.11	1	10/08/09 14:40	TDD	3288787
Chlorobenzene	ND		0.005	3	1	10/08/09 14:40	TDD	3288787
Chloroethane	ND		0.005	0.013	1	10/08/09 14:40	TDD	3288787
Chloroform	ND		0.005	0.046	1	10/08/09 14:40	TDD	3288787
Chloromethane	ND		0.01	0.1	1	10/08/09 14:40	TDD	3288787
Dibromochloromethane	ND		0.005	1	1	10/08/09 14:40	TDD	3288787
Ethylbenzene	ND		0.005	19	1	10/08/09 14:40	TDD	3288787
Hexachloroethane	ND		0.005	0.17	1	10/08/09 14:40	TDD	3288787
Isobutyl alcohol	ND		0.1	30	1	10/08/09 14:40	TDD	3288787
Methyl tert-butyl ether	ND		0.005	0.077	1	10/08/09 14:40	TDD	3288787
Methylene chloride	ND		0.01	0.017	1	10/08/09 14:40	TDD	3288787
Styrene	ND		0.005	11	1	10/08/09 14:40	TDD	3288787
Tetrachloroethene	ND		0.005	0.18	1	10/08/09 14:40	TDD	3288787
Toluene	ND		0.005	20	1	10/08/09 14:40	TDD	3288787
Trichloroethene	ND		0.005	0.073	1	10/08/09 14:40	TDD	3288787
Trichlorofluoromethane	ND		0.005	37	1	10/08/09 14:40	TDD	3288787
Vinyl chloride	ND		0.005	0.013	1	10/08/09 14:40	TDD	3288787
cis-1,3-Dichloropropene	ND		0.005	0.04	1	10/08/09 14:40	TDD	3288787
trans-1,3-Dichloropropene	ND		0.005	0.04	1	10/08/09 14:40	TDD	3288787

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

Client Sample ID: SD-3514ACE-B6-30-35 **Collected:** 10/06/2009 14:00 **SPL Sample ID:** 09100272-02

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.005	0.49	1	10/08/09 14:40	TDD	3288787
trans-1,2-Dichloroethene	ND			0.005	0.77	1	10/08/09 14:40	TDD	3288787
m,p-Xylene	ND			0.005	150	1	10/08/09 14:40	TDD	3288787
o-Xylene	ND			0.005	150	1	10/08/09 14:40	TDD	3288787
1,3-Dichloropropene,Total	ND			0.005	0.04	1	10/08/09 14:40	TDD	3288787
1,2-Dichloroethene (total)	ND			0.005	0.49	1	10/08/09 14:40	TDD	3288787
Xylenes,Total	ND			0.005	150	1	10/08/09 14:40	TDD	3288787
Surr: 1,2-Dichloroethane-d4	96.8		%	50-166		1	10/08/09 14:40	TDD	3288787
Surr: 4-Bromofluorobenzene	96.7		%	79-123		1	10/08/09 14:40	TDD	3288787
Surr: Toluene-d8	98.9		%	62-146		1	10/08/09 14:40	TDD	3288787

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/07/2009 12:23	hbo	1.00

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

Client Sample ID: SD-3514-ACE-B7-0-3 **Collected:** 10/06/2009 15:45 **SPL Sample ID:** 09100272-03

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL BY COLD VAPOR				**MCL**	**SW7471B**	**Units: mg/Kg**		
Mercury	ND		0.1		1	10/09/09 16:54	PFB	3289821

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7471A	10/09/2009 9:00	PFB	1.00

METALS BY METHOD 6020 (ICP/MS), TOTAL				MCL	SW6020	Units: mg/Kg		
Antimony	0.365		0.25	3.1	2.5	10/09/09 13:12	RJD	3289277
Arsenic	2.24		1	12	2.5	10/09/09 13:12	RJD	3289277
Barium	**2300**	**>MCL**	**2.5**	**550**	**2.5**	**10/09/09 13:12**	**RJD**	**3289277**
Beryllium	ND		0.5	8	2.5	10/09/09 13:12	RJD	3289277
Cadmium	1.63		0.5	3.9	2.5	10/09/09 13:12	RJD	3289277
Chromium	2.85		1	23	2.5	10/09/09 13:12	RJD	3289277
Cobalt	1.32		0.5	470	2.5	10/09/09 13:12	RJD	3289277
Copper	41.5		0.5	310	2.5	10/09/09 13:12	RJD	3289277
Lead	46.2		0.25	100	2.5	10/09/09 13:12	RJD	3289277
Nickel	3.12		0.5	160	2.5	10/09/09 13:12	RJD	3289277
Selenium	ND		2.5	20	2.5	10/09/09 13:12	RJD	3289277
Silver	ND		0.25	39	2.5	10/09/09 13:12	RJD	3289277
Thallium	ND		1.25	0.55	2.5	10/09/09 13:12	RJD	3289277
Vanadium	4.26		2.5	55	2.5	10/09/09 13:12	RJD	3289277
Zinc	323		2.5	2300	2.5	10/09/09 13:12	RJD	3289277

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	10/08/2009 10:45	SA	1.00

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500 AMBASSADOR CAFFERY PARKWAY
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Client Sample ID: SD-3514-ACE-B7-0-3 **Collected:** 10/06/2009 15:45 **SPL Sample ID:** 09100272-03

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ORGANOCHLORINE PESTICIDES BY METHOD 8081B - SOIL			**MCL**	**SW8081**	**Units: mg/Kg**		
4,4´-DDD	ND		0.0017	1	10/13/09 2:32	LDD	3293878
4,4´-DDE	ND		0.0017	1	10/13/09 2:32	LDD	3293878
4,4´-DDT	ND		0.0017	1	10/13/09 2:32	LDD	3293878
Aldrin	ND		0.0017	1	10/13/09 2:32	LDD	3293878
alpha-BHC	ND		0.0017	1	10/13/09 2:32	LDD	3293878
alpha-Chlordane	ND		0.0017	1	10/13/09 2:32	LDD	3293878
beta-BHC	ND		0.0017	1	10/13/09 2:32	LDD	3293878
Chlordane	ND		0.0067	1	10/13/09 2:32	LDD	3293878
delta-BHC	ND		0.0017	1	10/13/09 2:32	LDD	3293878
Dieldrin	ND		0.0017	1	10/13/09 2:32	LDD	3293878
Endosulfan I	ND		0.0017	1	10/13/09 2:32	LDD	3293878
Endosulfan II	ND		0.0017	1	10/13/09 2:32	LDD	3293878
Endosulfan sulfate	ND		0.0017	1	10/13/09 2:32	LDD	3293878
Endrin	ND		0.0017	1	10/13/09 2:32	LDD	3293878
Endrin aldehyde	ND		0.0017	1	10/13/09 2:32	LDD	3293878
Endrin ketone	ND		0.0017	1	10/13/09 2:32	LDD	3293878
gamma-BHC	ND		0.0017	1	10/13/09 2:32	LDD	3293878
gamma-Chlordane	ND		0.0017	1	10/13/09 2:32	LDD	3293878
Heptachlor	ND		0.0017	1	10/13/09 2:32	LDD	3293878
Heptachlor epoxide	ND		0.0017	1	10/13/09 2:32	LDD	3293878
Methoxychlor	ND		0.0017	1	10/13/09 2:32	LDD	3293878
Toxaphene	ND		0.17	1	10/13/09 2:32	LDD	3293878
Surr: Decachlorobiphenyl	78.3	%	10-180	1	10/13/09 2:32	LDD	3293878
Surr: Tetrachloro-m-xylene	74.0	%	10-157	1	10/13/09 2:32	LDD	3293878

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/08/2009 15:30	TCM	1.00

POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL			**MCL**	**SW8082**	**Units: mg/Kg**		
Aroclor 1016	ND		0.033	1	10/09/09 22:08	LDD	3292162
Aroclor 1221	ND		0.033	1	10/09/09 22:08	LDD	3292162
Aroclor 1232	ND		0.033	1	10/09/09 22:08	LDD	3292162
Aroclor 1242	ND		0.033	1	10/09/09 22:08	LDD	3292162
Aroclor 1248	ND		0.033	1	10/09/09 22:08	LDD	3292162
Aroclor 1254	ND		0.033	1	10/09/09 22:08	LDD	3292162
Aroclor 1260	ND		0.033	1	10/09/09 22:08	LDD	3292162
Surr: Decachlorobiphenyl	98.2	%	10-187	1	10/09/09 22:08	LDD	3292162
Surr: Tetrachloro-m-xylene	107	%	10-153	1	10/09/09 22:08	LDD	3292162

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

Client Sample ID: SD-3514-ACE-B7-0-3 **Collected:** 10/06/2009 15:45 **SPL Sample ID:** 09100272-03

Site: **SEABROOK BOAT LAUNCH**

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

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/08/2009 15:31	TCM	1.00

RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				MCL	SW8015C	Units: mg/Kg	
Diesel Range Organics (C10-C28)	ND		10	1	10/09/09 17:32	DF	3289869
Surr: o-Terphenyl	74.4	%	12-145	1	10/09/09 17:32	DF	3289869

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/07/2009 12:33	TCM	1.00

RECAP GASOLINE RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Gasoline Range Organics (C6-C10)	ND		5.1	50	10/08/09 19:43	KJ	3288366
Surr: 1,4-Difluorobenzene	91.7	%	56-151	50	10/08/09 19:43	KJ	3288366
Surr: 4-Bromofluorobenzene	118	%	55-148	50	10/08/09 19:43	KJ	3288366

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/07/2009 12:15	hbo	1.02

RECAP OIL RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Oil Range Organics (C28-C35)	ND		10	1	10/09/09 17:32	DF	3289884
Surr: o-Terphenyl	74.3	%	10-148	1	10/09/09 17:32	DF	3289884

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/07/2009 13:30	TCM	1.00

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Client Sample ID: SD-3514-ACE-B7-0-3 **Collected:** 10/06/2009 15:45 **SPL Sample ID:** 09100272-03

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP SEMIVOLATILE ORGANICS BY EPA 8270D				**MCL**		**SW8270D**	**Units: mg/Kg**	
1,1-Biphenyl	ND		0.33	190	1	10/09/09 14:15	KTK	3290133
1,2,4,5-Tetrachlorobenzene	ND		0.17	1.1	1	10/09/09 14:15	KTK	3290133
1,2,4-Trichlorobenzene	ND		0.17	14	1	10/09/09 14:15	KTK	3290133
1,3-Dinitrobenzene	ND		0.17	0.25	1	10/09/09 14:15	KTK	3290133
2,3,4,6-Tetrachlorophenol	ND		0.17	31	1	10/09/09 14:15	KTK	3290133
2,4,5-Trichlorophenol	ND		0.17	320	1	10/09/09 14:15	KTK	3290133
2,4,6-Trichlorophenol	ND		0.17	1.3	1	10/09/09 14:15	KTK	3290133
2,4-Dichlorophenol	ND		0.17	12	1	10/09/09 14:15	KTK	3290133
2,4-Dimethylphenol	ND		0.17	20	1	10/09/09 14:15	KTK	3290133
2,4-Dinitrophenol	ND		0.66	1.7	1	10/09/09 14:15	KTK	3290133
2,4-Dinitrotoluene	ND		0.17	1	1	10/09/09 14:15	KTK	3290133
2,6-Dinitrotoluene	ND		0.17	0.39	1	10/09/09 14:15	KTK	3290133
2-Chloronaphthalene	ND		0.17	370	1	10/09/09 14:15	KTK	3290133
2-Chlorophenol	ND		0.17	1.4	1	10/09/09 14:15	KTK	3290133
2-Methylnaphthalene	ND		0.17	1.7	1	10/09/09 14:15	KTK	3290133
2-Nitroaniline	ND		0.33	1.7	1	10/09/09 14:15	KTK	3290133
3,3´-Dichlorobenzidine	ND		0.17	0.9	1	10/09/09 14:15	KTK	3290133
3-Nitroaniline	ND		0.33	1.7	1	10/09/09 14:15	KTK	3290133
4-Chloroaniline	ND		0.17	1.5	1	10/09/09 14:15	KTK	3290133
4-Nitroaniline	ND		0.33	1.7	1	10/09/09 14:15	KTK	3290133
4-Nitrophenol	ND		0.66	2.6	1	10/09/09 14:15	KTK	3290133
Acenaphthene	ND		0.17	220	1	10/09/09 14:15	KTK	3290133
Acenaphthylene	ND		0.17	88	1	10/09/09 14:15	KTK	3290133
Aniline	ND		0.065	0.065	1	10/09/09 14:15	KTK	3290133
Anthracene	ND		0.17	120	1	10/09/09 14:15	KTK	3290133
Benz(a)anthracene	ND		0.17	330	1	10/09/09 14:15	KTK	3290133
Benzo(a)pyrene	ND		0.17	0.33	1	10/09/09 14:15	KTK	3290133
Benzo(b)fluoranthene	ND		0.17	0.62	1	10/09/09 14:15	KTK	3290133
Benzo(k)fluoranthene	ND		0.17	6.2	1	10/09/09 14:15	KTK	3290133
Bis(2-chloroethyl)ether	ND		0.17	0.33	1	10/09/09 14:15	KTK	3290133
Bis(2-chloroisopropyl)ether	ND		0.17	0.8	1	10/09/09 14:15	KTK	3290133
Bis(2-ethylhexyl)phthalate	ND		0.17	32	1	10/09/09 14:15	KTK	3290133
Butyl benzyl phthalate	ND		0.17	220	1	10/09/09 14:15	KTK	3290133
Chrysene	ND		0.17	62	1	10/09/09 14:15	KTK	3290133
Dibenz(a,h)anthracene	ND		0.17	0.33	1	10/09/09 14:15	KTK	3290133
Dibenzofuran	ND		0.17	21	1	10/09/09 14:15	KTK	3290133
Diethyl phthalate	ND		0.17	360	1	10/09/09 14:15	KTK	3290133
Dimethyl phthalate	ND		0.17	1500	1	10/09/09 14:15	KTK	3290133
Di-n-octyl phthalate	ND		0.17	110	1	10/09/09 14:15	KTK	3290133

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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-3514-ACE-B7-0-3 **Collected:** 10/06/2009 15:45 **SPL Sample ID:** 09100272-03

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
Fluoranthene	ND			0.17	220	1	10/09/09 14:15	KTK	3290133
Fluorene	ND			0.17	230	1	10/09/09 14:15	KTK	3290133
Hexachlorobenzene	ND			0.17	0.33	1	10/09/09 14:15	KTK	3290133
Hexachlorobutadiene	ND			0.17	0.77	1	10/09/09 14:15	KTK	3290133
Hexachlorocyclopentadiene	ND			0.33	0.51	1	10/09/09 14:15	KTK	3290133
Indeno(1,2,3-cd)pyrene	ND			0.17	0.62	1	10/09/09 14:15	KTK	3290133
Isophorone	ND			0.17	0.56	1	10/09/09 14:15	KTK	3290133
Naphthalene	ND			0.17	1.5	1	10/09/09 14:15	KTK	3290133
Nitrobenzene	ND			0.17	0.33	1	10/09/09 14:15	KTK	3290133
N-Nitrosodi-n-propylamine	ND			0.17	0.33	1	10/09/09 14:15	KTK	3290133
N-Nitrosodiphenylamine	ND			0.17	2.1	1	10/09/09 14:15	KTK	3290133
Pentachlorophenol	ND			0.66	1.7	1	10/09/09 14:15	KTK	3290133
Phenanthrene	ND			0.17	660	1	10/09/09 14:15	KTK	3290133
Phenol	ND			0.17	22	1	10/09/09 14:15	KTK	3290133
Pyrene	ND			0.17	230	1	10/09/09 14:15	KTK	3290133
Surr: 2,4,6-Tribromophenol	93.1		%	10-170		1	10/09/09 14:15	KTK	3290133
Surr: 2-Fluorobiphenyl	77.0		%	35-116		1	10/09/09 14:15	KTK	3290133
Surr: 2-Fluorophenol	79.7		%	16-139		1	10/09/09 14:15	KTK	3290133
Surr: 4-Terphenyl-d14	79.5		%	30-145		1	10/09/09 14:15	KTK	3290133
Surr: Nitrobenzene-d5	78.7		%	10-152		1	10/09/09 14:15	KTK	3290133
Surr: Phenol-d5	79.8		%	17-151		1	10/09/09 14:15	KTK	3290133

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/08/2009 8:51	TCM	1.00

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Client Sample ID: SD-3514-ACE-B7-0-3 **Collected:** 10/06/2009 15:45 **SPL Sample ID:** 09100272-03

Site: **SEABROOK BOAT LAUNCH**

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		0.0054	2.7	1	10/08/09 15:08	TDD	3288788
1,1,1-Trichloroethane	ND		0.0054	4	1	10/08/09 15:08	TDD	3288788
1,1,2,2-Tetrachloroethane	ND		0.0022	0.006	1	10/08/09 15:08	TDD	3288788
1,1,2-Trichloroethane	ND		0.0054	0.058	1	10/08/09 15:08	TDD	3288788
1,1-Dichloroethane	ND		0.0054	7.5	1	10/08/09 15:08	TDD	3288788
1,1-Dichloroethene	ND		0.0054	0.085	1	10/08/09 15:08	TDD	3288788
1,2-Dibromo-3-chloropropane	ND		0.0033	0.01	1	10/08/09 15:08	TDD	3288788
1,2-Dichlorobenzene	ND		0.0054	18	1	10/08/09 15:08	TDD	3288788
1,2-Dichloroethane	ND		0.0054	0.035	1	10/08/09 15:08	TDD	3288788
1,2-Dichloropropane	ND		0.0054	0.042	1	10/08/09 15:08	TDD	3288788
1,3-Dichlorobenzene	ND		0.0054	2.3	1	10/08/09 15:08	TDD	3288788
1,4-Dichlorobenzene	ND		0.0054	5.7	1	10/08/09 15:08	TDD	3288788
2-Butanone	ND		0.022	5	1	10/08/09 15:08	TDD	3288788
4-Methyl-2-pentanone	ND		0.011	0.45	1	10/08/09 15:08	TDD	3288788
Acetone	ND		0.11	1.5	1	10/08/09 15:08	TDD	3288788
Benzene	ND		0.0054	0.051	1	10/08/09 15:08	TDD	3288788
Bromodichloromethane	ND		0.0054	0.92	1	10/08/09 15:08	TDD	3288788
Bromoform	ND		0.0054	1.8	1	10/08/09 15:08	TDD	3288788
Bromomethane	ND		0.011	0.035	1	10/08/09 15:08	TDD	3288788
Carbon disulfide	ND		0.0054	11	1	10/08/09 15:08	TDD	3288788
Carbon tetrachloride	ND		0.0054	0.11	1	10/08/09 15:08	TDD	3288788
Chlorobenzene	ND		0.0054	3	1	10/08/09 15:08	TDD	3288788
Chloroethane	ND		0.0054	0.013	1	10/08/09 15:08	TDD	3288788
Chloroform	ND		0.0054	0.046	1	10/08/09 15:08	TDD	3288788
Chloromethane	ND		0.011	0.1	1	10/08/09 15:08	TDD	3288788
Dibromochloromethane	ND		0.0054	1	1	10/08/09 15:08	TDD	3288788
Ethylbenzene	ND		0.0054	19	1	10/08/09 15:08	TDD	3288788
Hexachloroethane	ND		0.0054	0.17	1	10/08/09 15:08	TDD	3288788
Isobutyl alcohol	ND		0.11	30	1	10/08/09 15:08	TDD	3288788
Methyl tert-butyl ether	ND		0.0054	0.077	1	10/08/09 15:08	TDD	3288788
Methylene chloride	ND		0.011	0.017	1	10/08/09 15:08	TDD	3288788
Styrene	ND		0.0054	11	1	10/08/09 15:08	TDD	3288788
Tetrachloroethene	ND		0.0054	0.18	1	10/08/09 15:08	TDD	3288788
Toluene	ND		0.0054	20	1	10/08/09 15:08	TDD	3288788
Trichloroethene	ND		0.0054	0.073	1	10/08/09 15:08	TDD	3288788
Trichlorofluoromethane	ND		0.0054	37	1	10/08/09 15:08	TDD	3288788
Vinyl chloride	ND		0.0054	0.013	1	10/08/09 15:08	TDD	3288788
cis-1,3-Dichloropropene	ND		0.0054	0.04	1	10/08/09 15:08	TDD	3288788
trans-1,3-Dichloropropene	ND		0.0054	0.04	1	10/08/09 15:08	TDD	3288788

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Client Sample ID: SD-3514-ACE-B7-0-3 **Collected:** 10/06/2009 15:45 **SPL Sample ID:** 09100272-03

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.0054	0.49	1	10/08/09 15:08	TDD	3288788
trans-1,2-Dichloroethene	ND			0.0054	0.77	1	10/08/09 15:08	TDD	3288788
m,p-Xylene	ND			0.0054	150	1	10/08/09 15:08	TDD	3288788
o-Xylene	ND			0.0054	150	1	10/08/09 15:08	TDD	3288788
1,3-Dichloropropene,Total	ND			0.0054	0.04	1	10/08/09 15:08	TDD	3288788
1,2-Dichloroethene (total)	ND			0.0054	0.49	1	10/08/09 15:08	TDD	3288788
Xylenes,Total	ND			0.0054	150	1	10/08/09 15:08	TDD	3288788
Surr: 1,2-Dichloroethane-d4	90.8		%	50-166		1	10/08/09 15:08	TDD	3288788
Surr: 4-Bromofluorobenzene	96.2		%	79-123		1	10/08/09 15:08	TDD	3288788
Surr: Toluene-d8	98.2		%	62-146		1	10/08/09 15:08	TDD	3288788

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/06/2009 15:45	Field	1.09

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Client Sample ID: SD-3514-ACE-B8-0-3 **Collected:** 10/06/2009 15:15 **SPL Sample ID:** 09100272-04

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL BY COLD VAPOR				**MCL**	**SW7471B**	**Units: mg/Kg**		
Mercury	0.4		0.1		1	10/09/09 16:58	PFB	3289822

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7471A	10/09/2009 9:00	PFB	1.00

METALS BY METHOD 6020 (ICP/MS), TOTAL				MCL	SW6020	Units: mg/Kg		
Antimony	2.91		0.25	3.1	2.5	10/09/09 13:15	RJD	3289278
Arsenic	7.07		1	12	2.5	10/09/09 13:15	RJD	3289278
Barium	**5420**	**>MCL**	**2.5**	**550**	**2.5**	**10/09/09 13:15**	**RJD**	**3289278**
Beryllium	ND		0.5	8	2.5	10/09/09 13:15	RJD	3289278
Cadmium	2.32		0.5	3.9	2.5	10/09/09 13:15	RJD	3289278
Chromium	14		1	23	2.5	10/09/09 13:15	RJD	3289278
Cobalt	1.91		0.5	470	2.5	10/09/09 13:15	RJD	3289278
Copper	24.5		0.5	310	2.5	10/09/09 13:15	RJD	3289278
Lead	**463**	**>MCL**	**0.25**	**100**	**2.5**	**10/09/09 13:15**	**RJD**	**3289278**
Nickel	4.69		0.5	160	2.5	10/09/09 13:15	RJD	3289278
Selenium	ND		2.5	20	2.5	10/09/09 13:15	RJD	3289278
Silver	1.11		0.25	39	2.5	10/09/09 13:15	RJD	3289278
Thallium	ND		1.25	0.55	2.5	10/09/09 13:15	RJD	3289278
Vanadium	26.1		2.5	55	2.5	10/09/09 13:15	RJD	3289278
Zinc	638		2.5	2300	2.5	10/09/09 13:15	RJD	3289278

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	10/08/2009 10:45	SA	1.00

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Client Sample ID: SD-3514-ACE-B8-0-3 **Collected:** 10/06/2009 15:15 **SPL Sample ID:** 09100272-04

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ORGANOCHLORINE PESTICIDES BY METHOD 8081B - SOIL			**MCL**	**SW8081**	**Units: mg/Kg**		
4,4´-DDD	ND		0.0017	1	10/13/09 2:55	LDD	3293879
4,4´-DDE	ND		0.0017	1	10/13/09 2:55	LDD	3293879
4,4´-DDT	0.0073		0.0017	1	10/13/09 2:55	LDD	3293879
Aldrin	ND		0.0017	1	10/13/09 2:55	LDD	3293879
alpha-BHC	ND		0.0017	1	10/13/09 2:55	LDD	3293879
alpha-Chlordane	ND		0.0017	1	10/13/09 2:55	LDD	3293879
beta-BHC	ND		0.0017	1	10/13/09 2:55	LDD	3293879
Chlordane	ND		0.0067	1	10/13/09 2:55	LDD	3293879
delta-BHC	ND		0.0017	1	10/13/09 2:55	LDD	3293879
Dieldrin	ND		0.0017	1	10/13/09 2:55	LDD	3293879
Endosulfan I	ND		0.0017	1	10/13/09 2:55	LDD	3293879
Endosulfan II	ND		0.0017	1	10/13/09 2:55	LDD	3293879
Endosulfan sulfate	ND		0.0017	1	10/13/09 2:55	LDD	3293879
Endrin	ND		0.0017	1	10/13/09 2:55	LDD	3293879
Endrin aldehyde	ND		0.0017	1	10/13/09 2:55	LDD	3293879
Endrin ketone	ND		0.0017	1	10/13/09 2:55	LDD	3293879
gamma-BHC	ND		0.0017	1	10/13/09 2:55	LDD	3293879
gamma-Chlordane	ND		0.0017	1	10/13/09 2:55	LDD	3293879
Heptachlor	ND		0.0017	1	10/13/09 2:55	LDD	3293879
Heptachlor epoxide	ND		0.0017	1	10/13/09 2:55	LDD	3293879
Methoxychlor	ND		0.0017	1	10/13/09 2:55	LDD	3293879
Toxaphene	ND		0.17	1	10/13/09 2:55	LDD	3293879
Surr: Decachlorobiphenyl	74.8	%	10-180	1	10/13/09 2:55	LDD	3293879
Surr: Tetrachloro-m-xylene	70.2	%	10-157	1	10/13/09 2:55	LDD	3293879

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/08/2009 15:30	TCM	1.00

POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL			**MCL**	**SW8082**	**Units: mg/Kg**		
Aroclor 1016	ND		0.033	1	10/09/09 22:28	LDD	3292163
Aroclor 1221	ND		0.033	1	10/09/09 22:28	LDD	3292163
Aroclor 1232	ND		0.033	1	10/09/09 22:28	LDD	3292163
Aroclor 1242	ND		0.033	1	10/09/09 22:28	LDD	3292163
Aroclor 1248	ND		0.033	1	10/09/09 22:28	LDD	3292163
Aroclor 1254	0.2		0.033	1	10/09/09 22:28	LDD	3292163
Aroclor 1260	ND		0.033	1	10/09/09 22:28	LDD	3292163
Surr: Decachlorobiphenyl	105	%	10-187	1	10/09/09 22:28	LDD	3292163
Surr: Tetrachloro-m-xylene	77.6	%	10-153	1	10/09/09 22:28	LDD	3292163

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Client Sample ID: SD-3514-ACE-B8-0-3 **Collected:** 10/06/2009 15:15 **SPL Sample ID:** 09100272-04

Site: **SEABROOK BOAT LAUNCH**

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

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/08/2009 15:31	TCM	1.00

RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				MCL	SW8015C	Units: mg/Kg	
Diesel Range Organics (C10-C28)	20		10	1	10/09/09 20:37	DF	3290224
Surr: o-Terphenyl	63.5	%	12-145	1	10/09/09 20:37	DF	3290224

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/07/2009 12:33	TCM	1.00

RECAP GASOLINE RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Gasoline Range Organics (C6-C10)	ND		3.8	50	10/08/09 20:17	KJ	3288367
Surr: 1,4-Difluorobenzene	92.3	%	56-151	50	10/08/09 20:17	KJ	3288367
Surr: 4-Bromofluorobenzene	116	%	55-148	50	10/08/09 20:17	KJ	3288367

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/07/2009 12:19	hbo	0.76

RECAP OIL RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Oil Range Organics (C28-C35)	21		10	1	10/09/09 20:37	DF	3290231
Surr: o-Terphenyl	63.4	%	10-148	1	10/09/09 20:37	DF	3290231

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/07/2009 13:30	TCM	1.00

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Client Sample ID: SD-3514-ACE-B8-0-3 **Collected:** 10/06/2009 15:15 **SPL Sample ID:** 09100272-04

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP SEMIVOLATILE ORGANICS BY EPA 8270D				**MCL**		**SW8270D**	**Units: mg/Kg**	
1,1-Biphenyl	ND		0.33	190	1	10/09/09 14:40	KTK	3290134
1,2,4,5-Tetrachlorobenzene	ND		0.17	1.1	1	10/09/09 14:40	KTK	3290134
1,2,4-Trichlorobenzene	ND		0.17	14	1	10/09/09 14:40	KTK	3290134
1,3-Dinitrobenzene	ND		0.17	0.25	1	10/09/09 14:40	KTK	3290134
2,3,4,6-Tetrachlorophenol	ND		0.17	31	1	10/09/09 14:40	KTK	3290134
2,4,5-Trichlorophenol	ND		0.17	320	1	10/09/09 14:40	KTK	3290134
2,4,6-Trichlorophenol	ND		0.17	1.3	1	10/09/09 14:40	KTK	3290134
2,4-Dichlorophenol	ND		0.17	12	1	10/09/09 14:40	KTK	3290134
2,4-Dimethylphenol	ND		0.17	20	1	10/09/09 14:40	KTK	3290134
2,4-Dinitrophenol	ND		0.66	1.7	1	10/09/09 14:40	KTK	3290134
2,4-Dinitrotoluene	ND		0.17	1	1	10/09/09 14:40	KTK	3290134
2,6-Dinitrotoluene	ND		0.17	0.39	1	10/09/09 14:40	KTK	3290134
2-Chloronaphthalene	ND		0.17	370	1	10/09/09 14:40	KTK	3290134
2-Chlorophenol	ND		0.17	1.4	1	10/09/09 14:40	KTK	3290134
2-Methylnaphthalene	ND		0.17	1.7	1	10/09/09 14:40	KTK	3290134
2-Nitroaniline	ND		0.33	1.7	1	10/09/09 14:40	KTK	3290134
3,3´-Dichlorobenzidine	ND		0.17	0.9	1	10/09/09 14:40	KTK	3290134
3-Nitroaniline	ND		0.33	1.7	1	10/09/09 14:40	KTK	3290134
4-Chloroaniline	ND		0.17	1.5	1	10/09/09 14:40	KTK	3290134
4-Nitroaniline	ND		0.33	1.7	1	10/09/09 14:40	KTK	3290134
4-Nitrophenol	ND		0.66	2.6	1	10/09/09 14:40	KTK	3290134
Acenaphthene	ND		0.17	220	1	10/09/09 14:40	KTK	3290134
Acenaphthylene	ND		0.17	88	1	10/09/09 14:40	KTK	3290134
Aniline	ND		0.065	0.065	1	10/09/09 14:40	KTK	3290134
Anthracene	ND		0.17	120	1	10/09/09 14:40	KTK	3290134
Benz(a)anthracene	ND		0.17	330	1	10/09/09 14:40	KTK	3290134
Benzo(a)pyrene	ND		0.17	0.33	1	10/09/09 14:40	KTK	3290134
Benzo(b)fluoranthene	ND		0.17	0.62	1	10/09/09 14:40	KTK	3290134
Benzo(k)fluoranthene	ND		0.17	6.2	1	10/09/09 14:40	KTK	3290134
Bis(2-chloroethyl)ether	ND		0.17	0.33	1	10/09/09 14:40	KTK	3290134
Bis(2-chloroisopropyl)ether	ND		0.17	0.8	1	10/09/09 14:40	KTK	3290134
Bis(2-ethylhexyl)phthalate	0.28		0.17	32	1	10/09/09 14:40	KTK	3290134
Butyl benzyl phthalate	ND		0.17	220	1	10/09/09 14:40	KTK	3290134
Chrysene	ND		0.17	62	1	10/09/09 14:40	KTK	3290134
Dibenz(a,h)anthracene	ND		0.17	0.33	1	10/09/09 14:40	KTK	3290134
Dibenzofuran	ND		0.17	21	1	10/09/09 14:40	KTK	3290134
Diethyl phthalate	ND		0.17	360	1	10/09/09 14:40	KTK	3290134
Dimethyl phthalate	ND		0.17	1500	1	10/09/09 14:40	KTK	3290134
Di-n-octyl phthalate	ND		0.17	110	1	10/09/09 14:40	KTK	3290134

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

Client Sample ID: SD-3514-ACE-B8-0-3 **Collected:** 10/06/2009 15:15 **SPL Sample ID:** 09100272-04

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
Fluoranthene	ND			0.17	220	1	10/09/09 14:40	KTK	3290134
Fluorene	ND			0.17	230	1	10/09/09 14:40	KTK	3290134
Hexachlorobenzene	ND			0.17	0.33	1	10/09/09 14:40	KTK	3290134
Hexachlorobutadiene	ND			0.17	0.77	1	10/09/09 14:40	KTK	3290134
Hexachlorocyclopentadiene	ND			0.33	0.51	1	10/09/09 14:40	KTK	3290134
Indeno(1,2,3-cd)pyrene	ND			0.17	0.62	1	10/09/09 14:40	KTK	3290134
Isophorone	ND			0.17	0.56	1	10/09/09 14:40	KTK	3290134
Naphthalene	ND			0.17	1.5	1	10/09/09 14:40	KTK	3290134
Nitrobenzene	ND			0.17	0.33	1	10/09/09 14:40	KTK	3290134
N-Nitrosodi-n-propylamine	ND			0.17	0.33	1	10/09/09 14:40	KTK	3290134
N-Nitrosodiphenylamine	ND			0.17	2.1	1	10/09/09 14:40	KTK	3290134
Pentachlorophenol	ND			0.66	1.7	1	10/09/09 14:40	KTK	3290134
Phenanthrene	ND			0.17	660	1	10/09/09 14:40	KTK	3290134
Phenol	ND			0.17	22	1	10/09/09 14:40	KTK	3290134
Pyrene	0.38			0.17	230	1	10/09/09 14:40	KTK	3290134
Surr: 2,4,6-Tribromophenol	94.3		%	10-170		1	10/09/09 14:40	KTK	3290134
Surr: 2-Fluorobiphenyl	99.7		%	35-116		1	10/09/09 14:40	KTK	3290134
Surr: 2-Fluorophenol	80.4		%	16-139		1	10/09/09 14:40	KTK	3290134
Surr: 4-Terphenyl-d14	75.8		%	30-145		1	10/09/09 14:40	KTK	3290134
Surr: Nitrobenzene-d5	75.0		%	10-152		1	10/09/09 14:40	KTK	3290134
Surr: Phenol-d5	79.4		%	17-151		1	10/09/09 14:40	KTK	3290134

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/08/2009 8:51	TCM	1.00

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Client Sample ID: SD-3514-ACE-B8-0-3 **Collected:** 10/06/2009 15:15 **SPL Sample ID:** 09100272-04

Site: SEABROOK BOAT LAUNCH

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		0.0059	2.7	1	10/10/09 12:01	MCB	3290486
1,1,1-Trichloroethane	ND		0.0059	4	1	10/10/09 12:01	MCB	3290486
1,1,2,2-Tetrachloroethane	ND		0.0024	0.006	1	10/10/09 12:01	MCB	3290486
1,1,2-Trichloroethane	ND		0.0059	0.058	1	10/10/09 12:01	MCB	3290486
1,1-Dichloroethane	ND		0.0059	7.5	1	10/10/09 12:01	MCB	3290486
1,1-Dichloroethene	ND		0.0059	0.085	1	10/10/09 12:01	MCB	3290486
1,2-Dibromo-3-chloropropane	ND		0.0036	0.01	1	10/10/09 12:01	MCB	3290486
1,2-Dichlorobenzene	ND		0.0059	18	1	10/10/09 12:01	MCB	3290486
1,2-Dichloroethane	ND		0.0059	0.035	1	10/10/09 12:01	MCB	3290486
1,2-Dichloropropane	ND		0.0059	0.042	1	10/10/09 12:01	MCB	3290486
1,3-Dichlorobenzene	ND		0.0059	2.3	1	10/10/09 12:01	MCB	3290486
1,4-Dichlorobenzene	ND		0.0059	5.7	1	10/10/09 12:01	MCB	3290486
2-Butanone	ND		0.024	5	1	10/10/09 12:01	MCB	3290486
4-Methyl-2-pentanone	ND		0.012	0.45	1	10/10/09 12:01	MCB	3290486
Acetone	ND		0.12	1.5	1	10/10/09 12:01	MCB	3290486
Benzene	ND		0.0059	0.051	1	10/10/09 12:01	MCB	3290486
Bromodichloromethane	ND		0.0059	0.92	1	10/10/09 12:01	MCB	3290486
Bromoform	ND		0.0059	1.8	1	10/10/09 12:01	MCB	3290486
Bromomethane	ND		0.012	0.035	1	10/10/09 12:01	MCB	3290486
Carbon disulfide	ND		0.0059	11	1	10/10/09 12:01	MCB	3290486
Carbon tetrachloride	ND		0.0059	0.11	1	10/10/09 12:01	MCB	3290486
Chlorobenzene	ND		0.0059	3	1	10/10/09 12:01	MCB	3290486
Chloroethane	ND		0.0059	0.013	1	10/10/09 12:01	MCB	3290486
Chloroform	ND		0.0059	0.046	1	10/10/09 12:01	MCB	3290486
Chloromethane	ND		0.012	0.1	1	10/10/09 12:01	MCB	3290486
Dibromochloromethane	ND		0.0059	1	1	10/10/09 12:01	MCB	3290486
Ethylbenzene	ND		0.0059	19	1	10/10/09 12:01	MCB	3290486
Hexachloroethane	ND		0.0059	0.17	1	10/10/09 12:01	MCB	3290486
Isobutyl alcohol	ND		0.12	30	1	10/10/09 12:01	MCB	3290486
Methyl tert-butyl ether	ND		0.0059	0.077	1	10/10/09 12:01	MCB	3290486
Methylene chloride	ND		0.012	0.017	1	10/10/09 12:01	MCB	3290486
Styrene	ND		0.0059	11	1	10/10/09 12:01	MCB	3290486
Tetrachloroethene	ND		0.0059	0.18	1	10/10/09 12:01	MCB	3290486
Toluene	ND		0.0059	20	1	10/10/09 12:01	MCB	3290486
Trichloroethene	ND		0.0059	0.073	1	10/10/09 12:01	MCB	3290486
Trichlorofluoromethane	ND		0.0059	37	1	10/10/09 12:01	MCB	3290486
Vinyl chloride	ND		0.0059	0.013	1	10/10/09 12:01	MCB	3290486
cis-1,3-Dichloropropene	ND		0.0059	0.04	1	10/10/09 12:01	MCB	3290486
trans-1,3-Dichloropropene	ND		0.0059	0.04	1	10/10/09 12:01	MCB	3290486

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Client Sample ID: SD-3514-ACE-B8-0-3 **Collected:** 10/06/2009 15:15 **SPL Sample ID:** 09100272-04

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.0059	0.49	1	10/10/09 12:01	MCB	3290486
trans-1,2-Dichloroethene	ND			0.0059	0.77	1	10/10/09 12:01	MCB	3290486
m,p-Xylene	ND			0.0059	150	1	10/10/09 12:01	MCB	3290486
o-Xylene	ND			0.0059	150	1	10/10/09 12:01	MCB	3290486
1,3-Dichloropropene,Total	ND			0.0059	0.04	1	10/10/09 12:01	MCB	3290486
1,2-Dichloroethene (total)	ND			0.0059	0.49	1	10/10/09 12:01	MCB	3290486
Xylenes,Total	ND			0.0059	150	1	10/10/09 12:01	MCB	3290486
Surr: 1,2-Dichloroethane-d4	98.4		%	50-166		1	10/10/09 12:01	MCB	3290486
Surr: 4-Bromofluorobenzene	77.6	MI	%	79-123		1	10/10/09 12:01	MCB	3290486
Surr: Toluene-d8	96.3		%	62-146		1	10/10/09 12:01	MCB	3290486

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/07/2009 12:19	hbo	1.19

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

Client Sample ID: SD-3514ACE-B8-0-3A **Collected:** 10/06/2009 15:15 **SPL Sample ID:** 09100272-05

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL BY COLD VAPOR				**MCL**		**SW7471B**	**Units: mg/Kg**	
Mercury	0.662		0.1		1	10/09/09 17:11	PFB	3289825

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7471A	10/09/2009 9:00	PFB	1.00

METALS BY METHOD 6020 (ICP/MS), TOTAL				MCL		SW6020	Units: mg/Kg	
Antimony	**4.22**	**>MCL**	**0.25**	**3.1**	**2.5**	**10/09/09 13:17**	**RJD**	**3289279**
Arsenic	6.11		1	12	2.5	10/09/09 13:17	RJD	3289279
Barium	**4130**	**>MCL**	**2.5**	**550**	**2.5**	**10/09/09 13:17**	**RJD**	**3289279**
Beryllium	ND		0.5	8	2.5	10/09/09 13:17	RJD	3289279
Cadmium	0.903		0.5	3.9	2.5	10/09/09 13:17	RJD	3289279
Chromium	4.6		1	23	2.5	10/09/09 13:17	RJD	3289279
Cobalt	1.57		0.5	470	2.5	10/09/09 13:17	RJD	3289279
Copper	10.5		0.5	310	2.5	10/09/09 13:17	RJD	3289279
Lead	**399**	**>MCL**	**0.25**	**100**	**2.5**	**10/09/09 13:17**	**RJD**	**3289279**
Nickel	3.6		0.5	160	2.5	10/09/09 13:17	RJD	3289279
Selenium	ND		2.5	20	2.5	10/09/09 13:17	RJD	3289279
Silver	0.822		0.25	39	2.5	10/09/09 13:17	RJD	3289279
Thallium	ND		1.25	0.55	2.5	10/09/09 13:17	RJD	3289279
Vanadium	7.29		2.5	55	2.5	10/09/09 13:17	RJD	3289279
Zinc	220		2.5	2300	2.5	10/09/09 13:17	RJD	3289279

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	10/08/2009 10:45	SA	1.00

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Client Sample ID: SD-3514ACE-B8-0-3A **Collected:** 10/06/2009 15:15 **SPL Sample ID:** 09100272-05

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ORGANOCHLORINE PESTICIDES BY METHOD 8081B - SOIL			**MCL**	**SW8081**	**Units: mg/Kg**		
4,4´-DDD	ND		0.0017	1	10/13/09 3:17	LDD	3293880
4,4´-DDE	ND		0.0017	1	10/13/09 3:17	LDD	3293880
4,4´-DDT	0.003		0.0017	1	10/13/09 3:17	LDD	3293880
Aldrin	ND		0.0017	1	10/13/09 3:17	LDD	3293880
alpha-BHC	ND		0.0017	1	10/13/09 3:17	LDD	3293880
alpha-Chlordane	ND		0.0017	1	10/13/09 3:17	LDD	3293880
beta-BHC	ND		0.0017	1	10/13/09 3:17	LDD	3293880
Chlordane	ND		0.0067	1	10/13/09 3:17	LDD	3293880
delta-BHC	ND		0.0017	1	10/13/09 3:17	LDD	3293880
Dieldrin	ND		0.0017	1	10/13/09 3:17	LDD	3293880
Endosulfan I	ND		0.0017	1	10/13/09 3:17	LDD	3293880
Endosulfan II	ND		0.0017	1	10/13/09 3:17	LDD	3293880
Endosulfan sulfate	ND		0.0017	1	10/13/09 3:17	LDD	3293880
Endrin	ND		0.0017	1	10/13/09 3:17	LDD	3293880
Endrin aldehyde	ND		0.0017	1	10/13/09 3:17	LDD	3293880
Endrin ketone	ND		0.0017	1	10/13/09 3:17	LDD	3293880
gamma-BHC	ND		0.0017	1	10/13/09 3:17	LDD	3293880
gamma-Chlordane	ND		0.0017	1	10/13/09 3:17	LDD	3293880
Heptachlor	ND		0.0017	1	10/13/09 3:17	LDD	3293880
Heptachlor epoxide	ND		0.0017	1	10/13/09 3:17	LDD	3293880
Methoxychlor	ND		0.0017	1	10/13/09 3:17	LDD	3293880
Toxaphene	ND		0.17	1	10/13/09 3:17	LDD	3293880
Surr: Decachlorobiphenyl	72.4	%	10-180	1	10/13/09 3:17	LDD	3293880
Surr: Tetrachloro-m-xylene	73.1	%	10-157	1	10/13/09 3:17	LDD	3293880

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/08/2009 15:30	TCM	1.00

POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL			**MCL**	**SW8082**	**Units: mg/Kg**		
Aroclor 1016	ND		0.33	10	10/15/09 12:32	LDD	3297316
Aroclor 1221	ND		0.33	10	10/15/09 12:32	LDD	3297316
Aroclor 1232	ND		0.33	10	10/15/09 12:32	LDD	3297316
Aroclor 1242	ND		0.33	10	10/15/09 12:32	LDD	3297316
Aroclor 1248	ND		0.33	10	10/15/09 12:32	LDD	3297316
Aroclor 1254	ND		0.33	10	10/15/09 12:32	LDD	3297316
Aroclor 1260	ND		0.33	10	10/15/09 12:32	LDD	3297316
Surr: Decachlorobiphenyl	121	%	10-187	10	10/15/09 12:32	LDD	3297316
Surr: Tetrachloro-m-xylene	152	%	10-153	10	10/15/09 12:32	LDD	3297316

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Client Sample ID: SD-3514ACE-B8-0-3A **Collected:** 10/06/2009 15:15 **SPL Sample ID:** 09100272-05

Site: **SEABROOK BOAT LAUNCH**

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

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/08/2009 15:31	TCM	1.00

RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				MCL	SW8015C	Units: mg/Kg	
Diesel Range Organics (C10-C28)	20		10	1	10/09/09 19:16	DF	3290222
Surr: o-Terphenyl	64.0	%	12-145	1	10/09/09 19:16	DF	3290222

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/07/2009 12:33	TCM	1.00

RECAP GASOLINE RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Gasoline Range Organics (C6-C10)	ND		4.1	50	10/08/09 20:50	KJ	3288368
Surr: 1,4-Difluorobenzene	92.2	%	56-151	50	10/08/09 20:50	KJ	3288368
Surr: 4-Bromofluorobenzene	118	%	55-148	50	10/08/09 20:50	KJ	3288368

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/07/2009 11:59	hbo	0.82

RECAP OIL RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Oil Range Organics (C28-C35)	17		10	1	10/09/09 19:16	DF	3290229
Surr: o-Terphenyl	63.9	%	10-148	1	10/09/09 19:16	DF	3290229

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/07/2009 13:30	TCM	1.00

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Client Sample ID: SD-3514ACE-B8-0-3A **Collected:** 10/06/2009 15:15 **SPL Sample ID:** 09100272-05

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP SEMIVOLATILE ORGANICS BY EPA 8270D				**MCL**		**SW8270D**	**Units: mg/Kg**	
1,1-Biphenyl	ND		0.33	190	1	10/09/09 15:06	KTK	3290135
1,2,4,5-Tetrachlorobenzene	ND		0.17	1.1	1	10/09/09 15:06	KTK	3290135
1,2,4-Trichlorobenzene	ND		0.17	14	1	10/09/09 15:06	KTK	3290135
1,3-Dinitrobenzene	ND		0.17	0.25	1	10/09/09 15:06	KTK	3290135
2,3,4,6-Tetrachlorophenol	ND		0.17	31	1	10/09/09 15:06	KTK	3290135
2,4,5-Trichlorophenol	ND		0.17	320	1	10/09/09 15:06	KTK	3290135
2,4,6-Trichlorophenol	ND		0.17	1.3	1	10/09/09 15:06	KTK	3290135
2,4-Dichlorophenol	ND		0.17	12	1	10/09/09 15:06	KTK	3290135
2,4-Dimethylphenol	ND		0.17	20	1	10/09/09 15:06	KTK	3290135
2,4-Dinitrophenol	ND		0.66	1.7	1	10/09/09 15:06	KTK	3290135
2,4-Dinitrotoluene	ND		0.17	1	1	10/09/09 15:06	KTK	3290135
2,6-Dinitrotoluene	ND		0.17	0.39	1	10/09/09 15:06	KTK	3290135
2-Chloronaphthalene	ND		0.17	370	1	10/09/09 15:06	KTK	3290135
2-Chlorophenol	ND		0.17	1.4	1	10/09/09 15:06	KTK	3290135
2-Methylnaphthalene	ND		0.17	1.7	1	10/09/09 15:06	KTK	3290135
2-Nitroaniline	ND		0.33	1.7	1	10/09/09 15:06	KTK	3290135
3,3´-Dichlorobenzidine	ND		0.17	0.9	1	10/09/09 15:06	KTK	3290135
3-Nitroaniline	ND		0.33	1.7	1	10/09/09 15:06	KTK	3290135
4-Chloroaniline	ND		0.17	1.5	1	10/09/09 15:06	KTK	3290135
4-Nitroaniline	ND		0.33	1.7	1	10/09/09 15:06	KTK	3290135
4-Nitrophenol	ND		0.66	2.6	1	10/09/09 15:06	KTK	3290135
Acenaphthene	ND		0.17	220	1	10/09/09 15:06	KTK	3290135
Acenaphthylene	ND		0.17	88	1	10/09/09 15:06	KTK	3290135
Aniline	ND		0.065	0.065	1	10/09/09 15:06	KTK	3290135
Anthracene	ND		0.17	120	1	10/09/09 15:06	KTK	3290135
Benz(a)anthracene	ND		0.17	330	1	10/09/09 15:06	KTK	3290135
Benzo(a)pyrene	0.23		0.17	0.33	1	10/09/09 15:06	KTK	3290135
Benzo(b)fluoranthene	0.31		0.17	0.62	1	10/09/09 15:06	KTK	3290135
Benzo(k)fluoranthene	ND		0.17	6.2	1	10/09/09 15:06	KTK	3290135
Bis(2-chloroethyl)ether	ND		0.17	0.33	1	10/09/09 15:06	KTK	3290135
Bis(2-chloroisopropyl)ether	ND		0.17	0.8	1	10/09/09 15:06	KTK	3290135
Bis(2-ethylhexyl)phthalate	ND		0.17	32	1	10/09/09 15:06	KTK	3290135
Butyl benzyl phthalate	ND		0.17	220	1	10/09/09 15:06	KTK	3290135
Chrysene	0.17		0.17	62	1	10/09/09 15:06	KTK	3290135
Dibenz(a,h)anthracene	ND		0.17	0.33	1	10/09/09 15:06	KTK	3290135
Dibenzofuran	ND		0.17	21	1	10/09/09 15:06	KTK	3290135
Diethyl phthalate	ND		0.17	360	1	10/09/09 15:06	KTK	3290135
Dimethyl phthalate	ND		0.17	1500	1	10/09/09 15:06	KTK	3290135
Di-n-octyl phthalate	ND		0.17	110	1	10/09/09 15:06	KTK	3290135

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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: SD-3514ACE-B8-0-3A **Collected:** 10/06/2009 15:15 **SPL Sample ID:** 09100272-05

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
Fluoranthene	0.34			0.17	220	1	10/09/09 15:06	KTK	3290135
Fluorene	ND			0.17	230	1	10/09/09 15:06	KTK	3290135
Hexachlorobenzene	ND			0.17	0.33	1	10/09/09 15:06	KTK	3290135
Hexachlorobutadiene	ND			0.17	0.77	1	10/09/09 15:06	KTK	3290135
Hexachlorocyclopentadiene	ND			0.33	0.51	1	10/09/09 15:06	KTK	3290135
Indeno(1,2,3-cd)pyrene	ND			0.17	0.62	1	10/09/09 15:06	KTK	3290135
Isophorone	ND			0.17	0.56	1	10/09/09 15:06	KTK	3290135
Naphthalene	ND			0.17	1.5	1	10/09/09 15:06	KTK	3290135
Nitrobenzene	ND			0.17	0.33	1	10/09/09 15:06	KTK	3290135
N-Nitrosodi-n-propylamine	ND			0.17	0.33	1	10/09/09 15:06	KTK	3290135
N-Nitrosodiphenylamine	ND			0.17	2.1	1	10/09/09 15:06	KTK	3290135
Pentachlorophenol	ND			0.66	1.7	1	10/09/09 15:06	KTK	3290135
Phenanthrene	ND			0.17	660	1	10/09/09 15:06	KTK	3290135
Phenol	ND			0.17	22	1	10/09/09 15:06	KTK	3290135
Pyrene	0.66			0.17	230	1	10/09/09 15:06	KTK	3290135
Surr: 2,4,6-Tribromophenol	77.2		%	10-170		1	10/09/09 15:06	KTK	3290135
Surr: 2-Fluorobiphenyl	80.7		%	35-116		1	10/09/09 15:06	KTK	3290135
Surr: 2-Fluorophenol	76.1		%	16-139		1	10/09/09 15:06	KTK	3290135
Surr: 4-Terphenyl-d14	79.1		%	30-145		1	10/09/09 15:06	KTK	3290135
Surr: Nitrobenzene-d5	76.2		%	10-152		1	10/09/09 15:06	KTK	3290135
Surr: Phenol-d5	74.9		%	17-151		1	10/09/09 15:06	KTK	3290135

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/08/2009 8:51	TCM	1.00

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Client Sample ID: SD-3514ACE-B8-0-3A **Collected:** 10/06/2009 15:15 **SPL Sample ID:** 09100272-05

Site: SEABROOK BOAT LAUNCH

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		0.0045	2.7	1	10/08/09 16:04	TDD	3288790
1,1,1-Trichloroethane	ND		0.0045	4	1	10/08/09 16:04	TDD	3288790
1,1,2,2-Tetrachloroethane	ND		0.0018	0.006	1	10/08/09 16:04	TDD	3288790
1,1,2-Trichloroethane	ND		0.0045	0.058	1	10/08/09 16:04	TDD	3288790
1,1-Dichloroethane	ND		0.0045	7.5	1	10/08/09 16:04	TDD	3288790
1,1-Dichloroethene	ND		0.0045	0.085	1	10/08/09 16:04	TDD	3288790
1,2-Dibromo-3-chloropropane	ND		0.0027	0.01	1	10/08/09 16:04	TDD	3288790
1,2-Dichlorobenzene	ND		0.0045	18	1	10/08/09 16:04	TDD	3288790
1,2-Dichloroethane	ND		0.0045	0.035	1	10/08/09 16:04	TDD	3288790
1,2-Dichloropropane	ND		0.0045	0.042	1	10/08/09 16:04	TDD	3288790
1,3-Dichlorobenzene	ND		0.0045	2.3	1	10/08/09 16:04	TDD	3288790
1,4-Dichlorobenzene	ND		0.0045	5.7	1	10/08/09 16:04	TDD	3288790
2-Butanone	ND		0.018	5	1	10/08/09 16:04	TDD	3288790
4-Methyl-2-pentanone	ND		0.0089	0.45	1	10/08/09 16:04	TDD	3288790
Acetone	ND		0.089	1.5	1	10/08/09 16:04	TDD	3288790
Benzene	ND		0.0045	0.051	1	10/08/09 16:04	TDD	3288790
Bromodichloromethane	ND		0.0045	0.92	1	10/08/09 16:04	TDD	3288790
Bromoform	ND		0.0045	1.8	1	10/08/09 16:04	TDD	3288790
Bromomethane	ND		0.0089	0.035	1	10/08/09 16:04	TDD	3288790
Carbon disulfide	ND		0.0045	11	1	10/08/09 16:04	TDD	3288790
Carbon tetrachloride	ND		0.0045	0.11	1	10/08/09 16:04	TDD	3288790
Chlorobenzene	ND		0.0045	3	1	10/08/09 16:04	TDD	3288790
Chloroethane	ND		0.0045	0.013	1	10/08/09 16:04	TDD	3288790
Chloroform	ND		0.0045	0.046	1	10/08/09 16:04	TDD	3288790
Chloromethane	ND		0.0089	0.1	1	10/08/09 16:04	TDD	3288790
Dibromochloromethane	ND		0.0045	1	1	10/08/09 16:04	TDD	3288790
Ethylbenzene	ND		0.0045	19	1	10/08/09 16:04	TDD	3288790
Hexachloroethane	ND		0.0045	0.17	1	10/08/09 16:04	TDD	3288790
Isobutyl alcohol	ND		0.089	30	1	10/08/09 16:04	TDD	3288790
Methyl tert-butyl ether	ND		0.0045	0.077	1	10/08/09 16:04	TDD	3288790
Methylene chloride	ND		0.0089	0.017	1	10/08/09 16:04	TDD	3288790
Styrene	ND		0.0045	11	1	10/08/09 16:04	TDD	3288790
Tetrachloroethene	ND		0.0045	0.18	1	10/08/09 16:04	TDD	3288790
Toluene	ND		0.0045	20	1	10/08/09 16:04	TDD	3288790
Trichloroethene	ND		0.0045	0.073	1	10/08/09 16:04	TDD	3288790
Trichlorofluoromethane	ND		0.0045	37	1	10/08/09 16:04	TDD	3288790
Vinyl chloride	ND		0.0045	0.013	1	10/08/09 16:04	TDD	3288790
cis-1,3-Dichloropropene	ND		0.0045	0.04	1	10/08/09 16:04	TDD	3288790
trans-1,3-Dichloropropene	ND		0.0045	0.04	1	10/08/09 16:04	TDD	3288790

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Client Sample ID: SD-3514ACE-B8-0-3A **Collected:** 10/06/2009 15:15 **SPL Sample ID:** 09100272-05

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.0045	0.49	1	10/08/09 16:04	TDD	3288790
trans-1,2-Dichloroethene	ND			0.0045	0.77	1	10/08/09 16:04	TDD	3288790
m,p-Xylene	ND			0.0045	150	1	10/08/09 16:04	TDD	3288790
o-Xylene	ND			0.0045	150	1	10/08/09 16:04	TDD	3288790
1,3-Dichloropropene,Total	ND			0.0045	0.04	1	10/08/09 16:04	TDD	3288790
1,2-Dichloroethene (total)	ND			0.0045	0.49	1	10/08/09 16:04	TDD	3288790
Xylenes,Total	ND			0.0045	150	1	10/08/09 16:04	TDD	3288790
Surr: 1,2-Dichloroethane-d4	90.1		%	50-166		1	10/08/09 16:04	TDD	3288790
Surr: 4-Bromofluorobenzene	100		%	79-123		1	10/08/09 16:04	TDD	3288790
Surr: Toluene-d8	104		%	62-146		1	10/08/09 16:04	TDD	3288790

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/07/2009 11:59	hbo	0.89

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Client Sample ID: SD-3514ACE-B9-0-3 **Collected:** 10/06/2009 15:30 **SPL Sample ID:** 09100272-06

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
MERCURY, TOTAL BY COLD VAPOR				**MCL**	**SW7471B**	**Units: mg/Kg**		
Mercury	0.103		0.1		1	10/09/09 17:15	PFB	3289826

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7471A	10/09/2009 9:00	PFB	1.00

METALS BY METHOD 6020 (ICP/MS), TOTAL				MCL	SW6020	Units: mg/Kg		
Antimony	ND		0.25	3.1	2.5	10/09/09 13:20	RJD	3289280
Arsenic	1.23		1	12	2.5	10/09/09 13:20	RJD	3289280
Barium	**2090**	**>MCL**	**2.5**	**550**	**2.5**	**10/09/09 13:20**	**RJD**	**3289280**
Beryllium	ND		0.5	8	2.5	10/09/09 13:20	RJD	3289280
Cadmium	ND		0.5	3.9	2.5	10/09/09 13:20	RJD	3289280
Chromium	2.92		1	23	2.5	10/09/09 13:20	RJD	3289280
Cobalt	1.18		0.5	470	2.5	10/09/09 13:20	RJD	3289280
Copper	4.72		0.5	310	2.5	10/09/09 13:20	RJD	3289280
Lead	37.3		0.25	100	2.5	10/09/09 13:20	RJD	3289280
Nickel	3.17		0.5	160	2.5	10/09/09 13:20	RJD	3289280
Selenium	ND		2.5	20	2.5	10/09/09 13:20	RJD	3289280
Silver	ND		0.25	39	2.5	10/09/09 13:20	RJD	3289280
Thallium	ND		1.25	0.55	2.5	10/09/09 13:20	RJD	3289280
Vanadium	5.5		2.5	55	2.5	10/09/09 13:20	RJD	3289280
Zinc	45.2		2.5	2300	2.5	10/09/09 13:20	RJD	3289280

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	10/08/2009 10:45	SA	1.00

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Client Sample ID: SD-3514ACE-B9-0-3 **Collected:** 10/06/2009 15:30 **SPL Sample ID:** 09100272-06

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ORGANOCHLORINE PESTICIDES BY METHOD 8081B - SOIL			**MCL**	**SW8081**	**Units: mg/Kg**		
4,4´-DDD	ND		0.0017	1	10/13/09 3:40	LDD	3293881
4,4´-DDE	ND		0.0017	1	10/13/09 3:40	LDD	3293881
4,4´-DDT	0.0022		0.0017	1	10/13/09 3:40	LDD	3293881
Aldrin	ND		0.0017	1	10/13/09 3:40	LDD	3293881
alpha-BHC	ND		0.0017	1	10/13/09 3:40	LDD	3293881
alpha-Chlordane	ND		0.0017	1	10/13/09 3:40	LDD	3293881
beta-BHC	ND		0.0017	1	10/13/09 3:40	LDD	3293881
Chlordane	ND		0.0067	1	10/13/09 3:40	LDD	3293881
delta-BHC	ND		0.0017	1	10/13/09 3:40	LDD	3293881
Dieldrin	ND		0.0017	1	10/13/09 3:40	LDD	3293881
Endosulfan I	ND		0.0017	1	10/13/09 3:40	LDD	3293881
Endosulfan II	ND		0.0017	1	10/13/09 3:40	LDD	3293881
Endosulfan sulfate	ND		0.0017	1	10/13/09 3:40	LDD	3293881
Endrin	ND		0.0017	1	10/13/09 3:40	LDD	3293881
Endrin aldehyde	ND		0.0017	1	10/13/09 3:40	LDD	3293881
Endrin ketone	ND		0.0017	1	10/13/09 3:40	LDD	3293881
gamma-BHC	ND		0.0017	1	10/13/09 3:40	LDD	3293881
gamma-Chlordane	ND		0.0017	1	10/13/09 3:40	LDD	3293881
Heptachlor	ND		0.0017	1	10/13/09 3:40	LDD	3293881
Heptachlor epoxide	ND		0.0017	1	10/13/09 3:40	LDD	3293881
Methoxychlor	ND		0.0017	1	10/13/09 3:40	LDD	3293881
Toxaphene	ND		0.17	1	10/13/09 3:40	LDD	3293881
Surr: Decachlorobiphenyl	59.1	%	10-180	1	10/13/09 3:40	LDD	3293881
Surr: Tetrachloro-m-xylene	62.7	%	10-157	1	10/13/09 3:40	LDD	3293881

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/08/2009 15:30	TCM	1.00

POLYCHLORINATED BIPHENYLS BY EPA 8082A - SOIL			**MCL**	**SW8082**	**Units: mg/Kg**		
Aroclor 1016	ND		0.033	1	10/09/09 23:07	LDD	3292172
Aroclor 1221	ND		0.033	1	10/09/09 23:07	LDD	3292172
Aroclor 1232	ND		0.033	1	10/09/09 23:07	LDD	3292172
Aroclor 1242	ND		0.033	1	10/09/09 23:07	LDD	3292172
Aroclor 1248	ND		0.033	1	10/09/09 23:07	LDD	3292172
Aroclor 1254	ND		0.033	1	10/09/09 23:07	LDD	3292172
Aroclor 1260	ND		0.033	1	10/09/09 23:07	LDD	3292172
Surr: Decachlorobiphenyl	73.6	%	10-187	1	10/09/09 23:07	LDD	3292172
Surr: Tetrachloro-m-xylene	71.2	%	10-153	1	10/09/09 23:07	LDD	3292172

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Client Sample ID: SD-3514ACE-B9-0-3 **Collected:** 10/06/2009 15:30 **SPL Sample ID:** 09100272-06

Site: **SEABROOK BOAT LAUNCH**

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

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/08/2009 15:31	TCM	1.00

RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				MCL	SW8015C	Units: mg/Kg	
Diesel Range Organics (C10-C28)	ND		10	1	10/09/09 17:54	DF	3289870
Surr: o-Terphenyl	64.3	%	12-145	1	10/09/09 17:54	DF	3289870

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/07/2009 12:33	TCM	1.00

RECAP GASOLINE RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Gasoline Range Organics (C6-C10)	ND		5.1	50	10/08/09 21:23	KJ	3288369
Surr: 1,4-Difluorobenzene	91.8	%	56-151	50	10/08/09 21:23	KJ	3288369
Surr: 4-Bromofluorobenzene	118	%	55-148	50	10/08/09 21:23	KJ	3288369

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/07/2009 12:12	hbo	1.02

RECAP OIL RANGE ORGANICS				MCL	SW8015C	Units: mg/Kg	
Oil Range Organics (C28-C35)	ND		10	1	10/09/09 17:54	DF	3289885
Surr: o-Terphenyl	64.2	%	10-148	1	10/09/09 17:54	DF	3289885

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/07/2009 13:30	TCM	1.00

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Client Sample ID: SD-3514ACE-B9-0-3 **Collected:** 10/06/2009 15:30 **SPL Sample ID:** 09100272-06

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP SEMIVOLATILE ORGANICS BY EPA 8270D				**MCL**		**SW8270D**	**Units: mg/Kg**	
1,1-Biphenyl	ND		0.33	190	1	10/09/09 15:30	KTK	3290136
1,2,4,5-Tetrachlorobenzene	ND		0.17	1.1	1	10/09/09 15:30	KTK	3290136
1,2,4-Trichlorobenzene	ND		0.17	14	1	10/09/09 15:30	KTK	3290136
1,3-Dinitrobenzene	ND		0.17	0.25	1	10/09/09 15:30	KTK	3290136
2,3,4,6-Tetrachlorophenol	ND		0.17	31	1	10/09/09 15:30	KTK	3290136
2,4,5-Trichlorophenol	ND		0.17	320	1	10/09/09 15:30	KTK	3290136
2,4,6-Trichlorophenol	ND		0.17	1.3	1	10/09/09 15:30	KTK	3290136
2,4-Dichlorophenol	ND		0.17	12	1	10/09/09 15:30	KTK	3290136
2,4-Dimethylphenol	ND		0.17	20	1	10/09/09 15:30	KTK	3290136
2,4-Dinitrophenol	ND		0.66	1.7	1	10/09/09 15:30	KTK	3290136
2,4-Dinitrotoluene	ND		0.17	1	1	10/09/09 15:30	KTK	3290136
2,6-Dinitrotoluene	ND		0.17	0.39	1	10/09/09 15:30	KTK	3290136
2-Chloronaphthalene	ND		0.17	370	1	10/09/09 15:30	KTK	3290136
2-Chlorophenol	ND		0.17	1.4	1	10/09/09 15:30	KTK	3290136
2-Methylnaphthalene	ND		0.17	1.7	1	10/09/09 15:30	KTK	3290136
2-Nitroaniline	ND		0.33	1.7	1	10/09/09 15:30	KTK	3290136
3,3´-Dichlorobenzidine	ND		0.17	0.9	1	10/09/09 15:30	KTK	3290136
3-Nitroaniline	ND		0.33	1.7	1	10/09/09 15:30	KTK	3290136
4-Chloroaniline	ND		0.17	1.5	1	10/09/09 15:30	KTK	3290136
4-Nitroaniline	ND		0.33	1.7	1	10/09/09 15:30	KTK	3290136
4-Nitrophenol	ND		0.66	2.6	1	10/09/09 15:30	KTK	3290136
Acenaphthene	ND		0.17	220	1	10/09/09 15:30	KTK	3290136
Acenaphthylene	ND		0.17	88	1	10/09/09 15:30	KTK	3290136
Aniline	ND		0.065	0.065	1	10/09/09 15:30	KTK	3290136
Anthracene	ND		0.17	120	1	10/09/09 15:30	KTK	3290136
Benz(a)anthracene	ND		0.17	330	1	10/09/09 15:30	KTK	3290136
Benzo(a)pyrene	ND		0.17	0.33	1	10/09/09 15:30	KTK	3290136
Benzo(b)fluoranthene	ND		0.17	0.62	1	10/09/09 15:30	KTK	3290136
Benzo(k)fluoranthene	ND		0.17	6.2	1	10/09/09 15:30	KTK	3290136
Bis(2-chloroethyl)ether	ND		0.17	0.33	1	10/09/09 15:30	KTK	3290136
Bis(2-chloroisopropyl)ether	ND		0.17	0.8	1	10/09/09 15:30	KTK	3290136
Bis(2-ethylhexyl)phthalate	ND		0.17	32	1	10/09/09 15:30	KTK	3290136
Butyl benzyl phthalate	ND		0.17	220	1	10/09/09 15:30	KTK	3290136
Chrysene	ND		0.17	62	1	10/09/09 15:30	KTK	3290136
Dibenz(a,h)anthracene	ND		0.17	0.33	1	10/09/09 15:30	KTK	3290136
Dibenzofuran	ND		0.17	21	1	10/09/09 15:30	KTK	3290136
Diethyl phthalate	ND		0.17	360	1	10/09/09 15:30	KTK	3290136
Dimethyl phthalate	ND		0.17	1500	1	10/09/09 15:30	KTK	3290136
Di-n-octyl phthalate	ND		0.17	110	1	10/09/09 15:30	KTK	3290136

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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: SD-3514ACE-B9-0-3 **Collected:** 10/06/2009 15:30 **SPL Sample ID:** 09100272-06

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
Fluoranthene	ND			0.17	220	1	10/09/09 15:30	KTK	3290136
Fluorene	ND			0.17	230	1	10/09/09 15:30	KTK	3290136
Hexachlorobenzene	ND			0.17	0.33	1	10/09/09 15:30	KTK	3290136
Hexachlorobutadiene	ND			0.17	0.77	1	10/09/09 15:30	KTK	3290136
Hexachlorocyclopentadiene	ND			0.33	0.51	1	10/09/09 15:30	KTK	3290136
Indeno(1,2,3-cd)pyrene	ND			0.17	0.62	1	10/09/09 15:30	KTK	3290136
Isophorone	ND			0.17	0.56	1	10/09/09 15:30	KTK	3290136
Naphthalene	ND			0.17	1.5	1	10/09/09 15:30	KTK	3290136
Nitrobenzene	ND			0.17	0.33	1	10/09/09 15:30	KTK	3290136
N-Nitrosodi-n-propylamine	ND			0.17	0.33	1	10/09/09 15:30	KTK	3290136
N-Nitrosodiphenylamine	ND			0.17	2.1	1	10/09/09 15:30	KTK	3290136
Pentachlorophenol	ND			0.66	1.7	1	10/09/09 15:30	KTK	3290136
Phenanthrene	ND			0.17	660	1	10/09/09 15:30	KTK	3290136
Phenol	ND			0.17	22	1	10/09/09 15:30	KTK	3290136
Pyrene	ND			0.17	230	1	10/09/09 15:30	KTK	3290136
Surr: 2,4,6-Tribromophenol	77.2		%	10-170		1	10/09/09 15:30	KTK	3290136
Surr: 2-Fluorobiphenyl	73.7		%	35-116		1	10/09/09 15:30	KTK	3290136
Surr: 2-Fluorophenol	77.2		%	16-139		1	10/09/09 15:30	KTK	3290136
Surr: 4-Terphenyl-d14	72.6		%	30-145		1	10/09/09 15:30	KTK	3290136
Surr: Nitrobenzene-d5	73.9		%	10-152		1	10/09/09 15:30	KTK	3290136
Surr: Phenol-d5	76.6		%	17-151		1	10/09/09 15:30	KTK	3290136

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3550C	10/08/2009 8:51	TCM	1.00

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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: SD-3514ACE-B9-0-3 **Collected:** 10/06/2009 15:30 **SPL Sample ID:** 09100272-06

Site: SEABROOK BOAT LAUNCH

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	10/10/09 12:29	MCB	3290487
1,1,1-Trichloroethane	ND		0.0049	4	1	10/10/09 12:29	MCB	3290487
1,1,2,2-Tetrachloroethane	ND		0.002	0.006	1	10/10/09 12:29	MCB	3290487
1,1,2-Trichloroethane	ND		0.0049	0.058	1	10/10/09 12:29	MCB	3290487
1,1-Dichloroethane	ND		0.0049	7.5	1	10/10/09 12:29	MCB	3290487
1,1-Dichloroethene	ND		0.0049	0.085	1	10/10/09 12:29	MCB	3290487
1,2-Dibromo-3-chloropropane	ND		0.0029	0.01	1	10/10/09 12:29	MCB	3290487
1,2-Dichlorobenzene	ND		0.0049	18	1	10/10/09 12:29	MCB	3290487
1,2-Dichloroethane	ND		0.0049	0.035	1	10/10/09 12:29	MCB	3290487
1,2-Dichloropropane	ND		0.0049	0.042	1	10/10/09 12:29	MCB	3290487
1,3-Dichlorobenzene	ND		0.0049	2.3	1	10/10/09 12:29	MCB	3290487
1,4-Dichlorobenzene	ND		0.0049	5.7	1	10/10/09 12:29	MCB	3290487
2-Butanone	ND		0.02	5	1	10/10/09 12:29	MCB	3290487
4-Methyl-2-pentanone	ND		0.0098	0.45	1	10/10/09 12:29	MCB	3290487
Acetone	ND		0.098	1.5	1	10/10/09 12:29	MCB	3290487
Benzene	ND		0.0049	0.051	1	10/10/09 12:29	MCB	3290487
Bromodichloromethane	ND		0.0049	0.92	1	10/10/09 12:29	MCB	3290487
Bromoform	ND		0.0049	1.8	1	10/10/09 12:29	MCB	3290487
Bromomethane	ND		0.0098	0.035	1	10/10/09 12:29	MCB	3290487
Carbon disulfide	ND		0.0049	11	1	10/10/09 12:29	MCB	3290487
Carbon tetrachloride	ND		0.0049	0.11	1	10/10/09 12:29	MCB	3290487
Chlorobenzene	ND		0.0049	3	1	10/10/09 12:29	MCB	3290487
Chloroethane	ND		0.0049	0.013	1	10/10/09 12:29	MCB	3290487
Chloroform	ND		0.0049	0.046	1	10/10/09 12:29	MCB	3290487
Chloromethane	ND		0.0098	0.1	1	10/10/09 12:29	MCB	3290487
Dibromochloromethane	ND		0.0049	1	1	10/10/09 12:29	MCB	3290487
Ethylbenzene	ND		0.0049	19	1	10/10/09 12:29	MCB	3290487
Hexachloroethane	ND		0.0049	0.17	1	10/10/09 12:29	MCB	3290487
Isobutyl alcohol	ND		0.098	30	1	10/10/09 12:29	MCB	3290487
Methyl tert-butyl ether	ND		0.0049	0.077	1	10/10/09 12:29	MCB	3290487
Methylene chloride	ND		0.0098	0.017	1	10/10/09 12:29	MCB	3290487
Styrene	ND		0.0049	11	1	10/10/09 12:29	MCB	3290487
Tetrachloroethene	ND		0.0049	0.18	1	10/10/09 12:29	MCB	3290487
Toluene	ND		0.0049	20	1	10/10/09 12:29	MCB	3290487
Trichloroethene	ND		0.0049	0.073	1	10/10/09 12:29	MCB	3290487
Trichlorofluoromethane	ND		0.0049	37	1	10/10/09 12:29	MCB	3290487
Vinyl chloride	ND		0.0049	0.013	1	10/10/09 12:29	MCB	3290487
cis-1,3-Dichloropropene	ND		0.0049	0.04	1	10/10/09 12:29	MCB	3290487
trans-1,3-Dichloropropene	ND		0.0049	0.04	1	10/10/09 12:29	MCB	3290487

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LAFAYETTE LABORATORY
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SCOTT, LA 70583
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Client Sample ID: SD-3514ACE-B9-0-3 **Collected:** 10/06/2009 15:30 **SPL Sample ID:** 09100272-06

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.0049	0.49	1	10/10/09 12:29	MCB	3290487
trans-1,2-Dichloroethene	ND			0.0049	0.77	1	10/10/09 12:29	MCB	3290487
m,p-Xylene	ND			0.0049	150	1	10/10/09 12:29	MCB	3290487
o-Xylene	ND			0.0049	150	1	10/10/09 12:29	MCB	3290487
1,3-Dichloropropene,Total	ND			0.0049	0.04	1	10/10/09 12:29	MCB	3290487
1,2-Dichloroethene (total)	ND			0.0049	0.49	1	10/10/09 12:29	MCB	3290487
Xylenes,Total	ND			0.0049	150	1	10/10/09 12:29	MCB	3290487
Surr: 1,2-Dichloroethane-d4	97.5		%	50-166		1	10/10/09 12:29	MCB	3290487
Surr: 4-Bromofluorobenzene	97.6		%	79-123		1	10/10/09 12:29	MCB	3290487
Surr: Toluene-d8	99.6		%	62-146		1	10/10/09 12:29	MCB	3290487

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	10/07/2009 12:12	hbo	0.98

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

Client Sample ID: WA-3514ACE-COMP2 **Collected:** 10/06/2009 16:10 **SPL Sample ID:** 09100272-07

Site: SEABROOK BOAT LAUNCH

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	10/27/09 9:08	LDD	3315008
2,4-D	ND			0.01	10	1	10/27/09 9:08	LDD	3315008
Surr: DCAA	69.5		%	42-118		1	10/27/09 9:08	LDD	3315008

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	10/22/2009 13:56	DB	1.00	SW1311	10/21/2009	KT

TCLP MERCURY					**MCL**	**SW7470A**	**Units: mg/L**		
Mercury	ND			0.02	0.2	1	10/22/09 18:39	PFB	3308752

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW7470A	10/22/2009 11:00	PFB	1.00	SW1311	10/21/2009	KT

TCLP METALS BY METHOD 6010B					**MCL**	**SW6010B**	**Units: mg/L**		
Arsenic	ND			0.2	5	1	10/24/09 17:32	SVW	3311436
Barium	0.444			0.25	100	1	10/24/09 17:32	SVW	3311436
Cadmium	ND			0.1	1	1	10/24/09 17:32	SVW	3311436
Chromium	ND			0.1	5	1	10/24/09 17:32	SVW	3311436
Lead	ND			0.2	5	1	10/24/09 17:32	SVW	3311436
Selenium	ND			0.2	1	1	10/24/09 17:32	SVW	3311436
Silver	ND			0.1	5	1	10/24/09 17:32	SVW	3311590

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3010A	10/22/2009 17:00	SA	1.00	SW1311	10/21/2009	KT

TCLP ORGANOCHLORINE PESTICIDES BY EPA 8081B					**MCL**	**SW8081**	**Units: mg/L**		
Chlordane	ND			0.002	0.03	1	10/25/09 9:48	LDD	3312771
Endrin	ND			0.0005	0.02	1	10/25/09 9:48	LDD	3312771
gamma-BHC	ND			0.0005	0.4	1	10/25/09 9:48	LDD	3312771
Heptachlor	ND			0.0005	0.008	1	10/25/09 9:48	LDD	3312771
Heptachlor epoxide	ND			0.0005	0.008	1	10/25/09 9:48	LDD	3312771
Methoxychlor	ND			0.0005	10	1	10/25/09 9:48	LDD	3312771
Toxaphene	ND			0.05	0.5	1	10/25/09 9:48	LDD	3312771
Surr: Decachlorobiphenyl	82.6		%	16-134		1	10/25/09 9:48	LDD	3312771
Surr: Tetrachloro-m-xylene	94.4		%	20-151		1	10/25/09 9:48	LDD	3312771

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	10/22/2009 12:40	JB	1.00	SW1311	10/21/2009	KT

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

Client Sample ID: WA-3514ACE-COMP2 **Collected:** 10/06/2009 16:10 **SPL Sample ID:** 09100272-07

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
TCLP SEMIVOLATILE ORGANICS BY EPA 8270D					**MCL**		**SW8270D**	**Units: mg/L**	
1,4-Dichlorobenzene	ND			0.05	7.5	1	10/23/09 16:46	KTK	3310507
2,4,5-Trichlorophenol	ND			0.05	400	1	10/23/09 16:46	KTK	3310507
2,4,6-Trichlorophenol	ND			0.05	2	1	10/23/09 16:46	KTK	3310507
2,4-Dinitrotoluene	ND			0.05	0.13	1	10/23/09 16:46	KTK	3310507
Hexachlorobenzene	ND			0.05	0.13	1	10/23/09 16:46	KTK	3310507
Hexachlorobutadiene	ND			0.05	0.5	1	10/23/09 16:46	KTK	3310507
Hexachloroethane	ND			0.05	3	1	10/23/09 16:46	KTK	3310507
Nitrobenzene	ND			0.05	2	1	10/23/09 16:46	KTK	3310507
Pentachlorophenol	ND			0.2	100	1	10/23/09 16:46	KTK	3310507
Pyridine	ND			0.05	5	1	10/23/09 16:46	KTK	3310507
m,p-Cresols	ND			0.05	200	1	10/23/09 16:46	KTK	3310507
o-Cresol	ND			0.05	200	1	10/23/09 16:46	KTK	3310507
Surr: 2,4,6-Tribromophenol	68.9		%	39-152		1	10/23/09 16:46	KTK	3310507
Surr: 2-Fluorobiphenyl	84.3		%	41-125		1	10/23/09 16:46	KTK	3310507
Surr: 2-Fluorophenol	40.8		%	10-114		1	10/23/09 16:46	KTK	3310507
Surr: 4-Terphenyl-d14	93.8		%	34-135		1	10/23/09 16:46	KTK	3310507
Surr: Nitrobenzene-d5	60.5		%	36-126		1	10/23/09 16:46	KTK	3310507
Surr: Phenol-d5	32.8		%	10-84.1		1	10/23/09 16:46	KTK	3310507

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	10/22/2009 14:46	DB	1.00	SW1311	10/21/2009	KT

TCLP VOLATILE ORGANICS					**MCL**		**SW8260B**	**Units: mg/L**	
1,1-Dichloroethene	ND			0.05	0.7	10	10/23/09 6:03	MCB	3308985
1,2-Dichloroethane	ND			0.05	0.5	10	10/23/09 6:03	MCB	3308985
2-Butanone	ND			0.1	200	10	10/23/09 6:03	MCB	3308985
Benzene	ND			0.05	0.5	10	10/23/09 6:03	MCB	3308985
Carbon tetrachloride	ND			0.05	0.5	10	10/23/09 6:03	MCB	3308985
Chlorobenzene	ND			0.05	100	10	10/23/09 6:03	MCB	3308985
Chloroform	ND			0.05	6	10	10/23/09 6:03	MCB	3308985
Tetrachloroethene	ND			0.05	0.7	10	10/23/09 6:03	MCB	3308985
Trichloroethene	ND			0.05	0.5	10	10/23/09 6:03	MCB	3308985
Vinyl chloride	ND			0.1	0.2	10	10/23/09 6:03	MCB	3308985
Surr: 1,2-Dichloroethane-d4	102		%	71-116		10	10/23/09 6:03	MCB	3308985
Surr: 4-Bromofluorobenzene	97.1		%	86-109		10	10/23/09 6:03	MCB	3308985
Surr: Toluene-d8	97.0		%	90-109		10	10/23/09 6:03	MCB	3308985

Leach Method	Leachate Date	Leach Initials
SW1311	10/21/2009	KT

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Client Sample ID: WA-3514ACE-COMP3 **Collected:** 10/06/2009 16:15 **SPL Sample ID:** 09100272-08

Site: SEABROOK BOAT LAUNCH

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	10/27/09 9:43	LDD	3315009
2,4-D	ND			0.01	10	1	10/27/09 9:43	LDD	3315009
Surr: DCAA	57.7		%	42-118		1	10/27/09 9:43	LDD	3315009

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	10/22/2009 13:56	DB	1.00	SW1311	10/21/2009	KT

TCLP MERCURY					**MCL**	**SW7470A**	**Units: mg/L**		
Mercury	ND			0.02	0.2	1	10/22/09 18:51	PFB	3308755

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW7470A	10/22/2009 11:00	PFB	1.00	SW1311	10/21/2009	KT

TCLP METALS BY METHOD 6010B					**MCL**	**SW6010B**	**Units: mg/L**		
Arsenic	ND			0.2	5	1	10/24/09 17:37	SVW	3311437
Barium	3.56			0.25	100	1	10/24/09 17:37	SVW	3311437
Cadmium	ND			0.1	1	1	10/24/09 17:37	SVW	3311437
Chromium	ND			0.1	5	1	10/24/09 17:37	SVW	3311437
Lead	ND			0.2	5	1	10/24/09 17:37	SVW	3311437
Selenium	ND			0.2	1	1	10/24/09 17:37	SVW	3311437
Silver	ND			0.1	5	1	10/24/09 17:37	SVW	3311591

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3010A	10/22/2009 17:00	SA	1.00	SW1311	10/21/2009	KT

TCLP ORGANOCHLORINE PESTICIDES BY EPA 8081B					**MCL**	**SW8081**	**Units: mg/L**		
Chlordane	ND			0.002	0.03	1	10/25/09 10:13	LDD	3312772
Endrin	ND			0.0005	0.02	1	10/25/09 10:13	LDD	3312772
gamma-BHC	ND			0.0005	0.4	1	10/25/09 10:13	LDD	3312772
Heptachlor	ND			0.0005	0.008	1	10/25/09 10:13	LDD	3312772
Heptachlor epoxide	ND			0.0005	0.008	1	10/25/09 10:13	LDD	3312772
Methoxychlor	ND			0.0005	10	1	10/25/09 10:13	LDD	3312772
Toxaphene	ND			0.05	0.5	1	10/25/09 10:13	LDD	3312772
Surr: Decachlorobiphenyl	91.3		%	16-134		1	10/25/09 10:13	LDD	3312772
Surr: Tetrachloro-m-xylene	91.1		%	20-151		1	10/25/09 10:13	LDD	3312772

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	10/22/2009 12:40	JB	1.00	SW1311	10/21/2009	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: WA-3514ACE-COMP3 **Collected:** 10/06/2009 16:15 **SPL Sample ID:** 09100272-08

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
TCLP SEMIVOLATILE ORGANICS BY EPA 8270D					**MCL**		**SW8270D**	**Units: mg/L**	
1,4-Dichlorobenzene	ND			0.05	7.5	1	10/23/09 17:06	KTK	3310508
2,4,5-Trichlorophenol	ND			0.05	400	1	10/23/09 17:06	KTK	3310508
2,4,6-Trichlorophenol	ND			0.05	2	1	10/23/09 17:06	KTK	3310508
2,4-Dinitrotoluene	ND			0.05	0.13	1	10/23/09 17:06	KTK	3310508
Hexachlorobenzene	ND			0.05	0.13	1	10/23/09 17:06	KTK	3310508
Hexachlorobutadiene	ND			0.05	0.5	1	10/23/09 17:06	KTK	3310508
Hexachloroethane	ND			0.05	3	1	10/23/09 17:06	KTK	3310508
Nitrobenzene	ND			0.05	2	1	10/23/09 17:06	KTK	3310508
Pentachlorophenol	ND			0.2	100	1	10/23/09 17:06	KTK	3310508
Pyridine	ND			0.05	5	1	10/23/09 17:06	KTK	3310508
m,p-Cresols	ND			0.05	200	1	10/23/09 17:06	KTK	3310508
o-Cresol	ND			0.05	200	1	10/23/09 17:06	KTK	3310508
Surr: 2,4,6-Tribromophenol	75.2		%	39-152		1	10/23/09 17:06	KTK	3310508
Surr: 2-Fluorobiphenyl	92.6		%	41-125		1	10/23/09 17:06	KTK	3310508
Surr: 2-Fluorophenol	43.9		%	10-114		1	10/23/09 17:06	KTK	3310508
Surr: 4-Terphenyl-d14	100		%	34-135		1	10/23/09 17:06	KTK	3310508
Surr: Nitrobenzene-d5	65.0		%	36-126		1	10/23/09 17:06	KTK	3310508
Surr: Phenol-d5	35.6		%	10-84.1		1	10/23/09 17:06	KTK	3310508

Prep Method	Prep Date	Prep Initials	Prep Factor	Leach Method	Leachate Date	Leach Initials
SW3510B	10/22/2009 14:46	DB	1.00	SW1311	10/21/2009	KT

TCLP VOLATILE ORGANICS					**MCL**		**SW8260B**	**Units: mg/L**	
1,1-Dichloroethene	ND			0.05	0.7	10	10/23/09 5:38	MCB	3308984
1,2-Dichloroethane	ND			0.05	0.5	10	10/23/09 5:38	MCB	3308984
2-Butanone	ND			0.1	200	10	10/23/09 5:38	MCB	3308984
Benzene	ND			0.05	0.5	10	10/23/09 5:38	MCB	3308984
Carbon tetrachloride	ND			0.05	0.5	10	10/23/09 5:38	MCB	3308984
Chlorobenzene	ND			0.05	100	10	10/23/09 5:38	MCB	3308984
Chloroform	ND			0.05	6	10	10/23/09 5:38	MCB	3308984
Tetrachloroethene	ND			0.05	0.7	10	10/23/09 5:38	MCB	3308984
Trichloroethene	ND			0.05	0.5	10	10/23/09 5:38	MCB	3308984
Vinyl chloride	ND			0.1	0.2	10	10/23/09 5:38	MCB	3308984
Surr: 1,2-Dichloroethane-d4	99.5		%	71-116		10	10/23/09 5:38	MCB	3308984
Surr: 4-Bromofluorobenzene	99.7		%	86-109		10	10/23/09 5:38	MCB	3308984
Surr: Toluene-d8	99.9		%	90-109		10	10/23/09 5:38	MCB	3308984

Leach Method	Leachate Date	Leach Initials
SW1311	10/21/2009	KT

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: W-3514ACE-TB-10-6-09 **Collected:** 10/06/2009 15:00 **SPL Sample ID:** 09100272-09

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP GASOLINE RANGE ORGANICS					**MCL**	**SW8015C**	**Units: mg/L**	
Gasoline Range Organics (C6-C10)	ND			0.1	1	10/08/09 21:22	KJ	3288334
Surr: 1,4-Difluorobenzene	100		%	69-137	1	10/08/09 21:22	KJ	3288334
Surr: 4-Bromofluorobenzene	99.1		%	81-119	1	10/08/09 21:22	KJ	3288334

Qualifiers:

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TNTC - Too numerous to count
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Client Sample ID: W-3514ACE-TB-10-6-09 **Collected:** 10/06/2009 15:00 **SPL Sample ID:** 09100272-09

Site: **SEABROOK BOAT LAUNCH**

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	10/08/09 13:53	DN	3288692
1,1,1-Trichloroethane	ND		0.005	0.2	1	10/08/09 13:53	DN	3288692
1,1,2,2-Tetrachloroethane	ND		0.0005	0.0005	1	10/08/09 13:53	DN	3288692
1,1,2-Trichloroethane	ND		0.005	0.005	1	10/08/09 13:53	DN	3288692
1,1-Dichloroethane	ND		0.005	0.081	1	10/08/09 13:53	DN	3288692
1,1-Dichloroethene	ND		0.005	0.007	1	10/08/09 13:53	DN	3288692
1,2-Dibromo-3-chloropropane	ND		0.001	0.0002	1	10/08/09 13:53	DN	3288692
1,2-Dichlorobenzene	ND		0.001	0.6	1	10/08/09 13:53	DN	3288692
1,2-Dichloroethane	ND		0.005	0.005	1	10/08/09 13:53	DN	3288692
1,2-Dichloropropane	ND		0.002	0.005	1	10/08/09 13:53	DN	3288692
1,3-Dichlorobenzene	ND		0.001	0.01	1	10/08/09 13:53	DN	3288692
1,4-Dichlorobenzene	ND		0.001	0.075	1	10/08/09 13:53	DN	3288692
2-Butanone	ND		0.01	0.19	1	10/08/09 13:53	DN	3288692
4-Methyl-2-pentanone	ND		0.01	0.2	1	10/08/09 13:53	DN	3288692
Acetone	ND		0.05	0.1	1	10/08/09 13:53	DN	3288692
Benzene	ND		0.005	0.005	1	10/08/09 13:53	DN	3288692
Bromodichloromethane	ND		0.005	0.1	1	10/08/09 13:53	DN	3288692
Bromoform	ND		0.005	0.1	1	10/08/09 13:53	DN	3288692
Bromomethane	ND		0.01	0.01	1	10/08/09 13:53	DN	3288692
Carbon disulfide	ND		0.005	0.1	1	10/08/09 13:53	DN	3288692
Carbon tetrachloride	ND		0.005	0.005	1	10/08/09 13:53	DN	3288692
Chlorobenzene	ND		0.005	0.1	1	10/08/09 13:53	DN	3288692
Chloroethane	ND		0.005	0.01	1	10/08/09 13:53	DN	3288692
Chloroform	ND		0.005	0.1	1	10/08/09 13:53	DN	3288692
Chloromethane	ND		0.005	0.01	1	10/08/09 13:53	DN	3288692
Dibromochloromethane	ND		0.005	0.1	1	10/08/09 13:53	DN	3288692
Ethylbenzene	ND		0.005	0.7	1	10/08/09 13:53	DN	3288692
Hexachloroethane	ND		0.005	0.01	1	10/08/09 13:53	DN	3288692
Isobutyl alcohol	ND		0.1	1.1	1	10/08/09 13:53	DN	3288692
Methyl tert-butyl ether	ND		0.001	0.02	1	10/08/09 13:53	DN	3288692
Methylene chloride	ND		0.005	0.005	1	10/08/09 13:53	DN	3288692
Styrene	ND		0.005	0.1	1	10/08/09 13:53	DN	3288692
Tetrachloroethene	ND		0.005	0.005	1	10/08/09 13:53	DN	3288692
Toluene	ND		0.005	1	1	10/08/09 13:53	DN	3288692
Trichloroethene	ND		0.005	0.005	1	10/08/09 13:53	DN	3288692
Trichlorofluoromethane	ND		0.005	0.13	1	10/08/09 13:53	DN	3288692
Vinyl chloride	ND		0.001	0.002	1	10/08/09 13:53	DN	3288692
cis-1,3-Dichloropropene	ND		0.003	0.005	1	10/08/09 13:53	DN	3288692
trans-1,3-Dichloropropene	ND		0.003	0.005	1	10/08/09 13:53	DN	3288692

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

Client Sample ID: W-3514ACE-TB-10-6-09 **Collected:** 10/06/2009 15:00 **SPL Sample ID:** 09100272-09

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.005	0.07	1	10/08/09 13:53	DN	3288692
trans-1,2-Dichloroethene	ND			0.005	0.1	1	10/08/09 13:53	DN	3288692
m,p-Xylene	ND			0.005	10	1	10/08/09 13:53	DN	3288692
o-Xylene	ND			0.005	10	1	10/08/09 13:53	DN	3288692
1,3-Dichloropropene,Total	ND			0.005	0.005	1	10/08/09 13:53	DN	3288692
1,2-Dichloroethene (total)	ND			0.005	0.07	1	10/08/09 13:53	DN	3288692
Xylenes,Total	ND			0.005	10	1	10/08/09 13:53	DN	3288692
Surr: 1,2-Dichloroethane-d4	101		%	75-120		1	10/08/09 13:53	DN	3288692
Surr: 4-Bromofluorobenzene	95.6		%	89-109		1	10/08/09 13:53	DN	3288692
Surr: Toluene-d8	98.8		%	89-110		1	10/08/09 13:53	DN	3288692

Qualifiers:

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TNTC - Too numerous to count
>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: W-3514ACE-FB-10-6-09 **Collected:** 10/06/2009 15:05 **SPL Sample ID:** 09100272-10

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP GASOLINE RANGE ORGANICS					**MCL**	**SW8015C**	**Units: mg/L**	
Gasoline Range Organics (C6-C10)	ND			0.1	1	10/08/09 21:55	KJ	3288335
Surr: 1,4-Difluorobenzene	96.3		%	69-137	1	10/08/09 21:55	KJ	3288335
Surr: 4-Bromofluorobenzene	104		%	81-119	1	10/08/09 21:55	KJ	3288335

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

Client Sample ID: W-3514ACE-FB-10-6-09 **Collected:** 10/06/2009 15:05 **SPL Sample ID:** 09100272-10

Site: **SEABROOK BOAT LAUNCH**

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	10/08/09 14:54	DN	3288694
1,1,1-Trichloroethane	ND		0.005	0.2	1	10/08/09 14:54	DN	3288694
1,1,2,2-Tetrachloroethane	ND		0.0005	0.0005	1	10/08/09 14:54	DN	3288694
1,1,2-Trichloroethane	ND		0.005	0.005	1	10/08/09 14:54	DN	3288694
1,1-Dichloroethane	ND		0.005	0.081	1	10/08/09 14:54	DN	3288694
1,1-Dichloroethene	ND		0.005	0.007	1	10/08/09 14:54	DN	3288694
1,2-Dibromo-3-chloropropane	ND		0.001	0.0002	1	10/08/09 14:54	DN	3288694
1,2-Dichlorobenzene	ND		0.001	0.6	1	10/08/09 14:54	DN	3288694
1,2-Dichloroethane	ND		0.005	0.005	1	10/08/09 14:54	DN	3288694
1,2-Dichloropropane	ND		0.002	0.005	1	10/08/09 14:54	DN	3288694
1,3-Dichlorobenzene	ND		0.001	0.01	1	10/08/09 14:54	DN	3288694
1,4-Dichlorobenzene	ND		0.001	0.075	1	10/08/09 14:54	DN	3288694
2-Butanone	ND		0.01	0.19	1	10/08/09 14:54	DN	3288694
4-Methyl-2-pentanone	ND		0.01	0.2	1	10/08/09 14:54	DN	3288694
Acetone	ND		0.05	0.1	1	10/08/09 14:54	DN	3288694
Benzene	ND		0.005	0.005	1	10/08/09 14:54	DN	3288694
Bromodichloromethane	ND		0.005	0.1	1	10/08/09 14:54	DN	3288694
Bromoform	ND		0.005	0.1	1	10/08/09 14:54	DN	3288694
Bromomethane	ND		0.01	0.01	1	10/08/09 14:54	DN	3288694
Carbon disulfide	ND		0.005	0.1	1	10/08/09 14:54	DN	3288694
Carbon tetrachloride	ND		0.005	0.005	1	10/08/09 14:54	DN	3288694
Chlorobenzene	ND		0.005	0.1	1	10/08/09 14:54	DN	3288694
Chloroethane	ND		0.005	0.01	1	10/08/09 14:54	DN	3288694
Chloroform	ND		0.005	0.1	1	10/08/09 14:54	DN	3288694
Chloromethane	ND		0.005	0.01	1	10/08/09 14:54	DN	3288694
Dibromochloromethane	ND		0.005	0.1	1	10/08/09 14:54	DN	3288694
Ethylbenzene	ND		0.005	0.7	1	10/08/09 14:54	DN	3288694
Hexachloroethane	ND		0.005	0.01	1	10/08/09 14:54	DN	3288694
Isobutyl alcohol	ND		0.1	1.1	1	10/08/09 14:54	DN	3288694
Methyl tert-butyl ether	ND		0.001	0.02	1	10/08/09 14:54	DN	3288694
Methylene chloride	ND		0.005	0.005	1	10/08/09 14:54	DN	3288694
Styrene	ND		0.005	0.1	1	10/08/09 14:54	DN	3288694
Tetrachloroethene	ND		0.005	0.005	1	10/08/09 14:54	DN	3288694
Toluene	ND		0.005	1	1	10/08/09 14:54	DN	3288694
Trichloroethene	ND		0.005	0.005	1	10/08/09 14:54	DN	3288694
Trichlorofluoromethane	ND		0.005	0.13	1	10/08/09 14:54	DN	3288694
Vinyl chloride	ND		0.001	0.002	1	10/08/09 14:54	DN	3288694
cis-1,3-Dichloropropene	ND		0.003	0.005	1	10/08/09 14:54	DN	3288694
trans-1,3-Dichloropropene	ND		0.003	0.005	1	10/08/09 14:54	DN	3288694

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-3514ACE-FB-10-6-09 **Collected:** 10/06/2009 15:05 **SPL Sample ID:** 09100272-10

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.005	0.07	1	10/08/09 14:54	DN	3288694
trans-1,2-Dichloroethene	ND			0.005	0.1	1	10/08/09 14:54	DN	3288694
m,p-Xylene	ND			0.005	10	1	10/08/09 14:54	DN	3288694
o-Xylene	ND			0.005	10	1	10/08/09 14:54	DN	3288694
1,3-Dichloropropene,Total	ND			0.005	0.005	1	10/08/09 14:54	DN	3288694
1,2-Dichloroethene (total)	ND			0.005	0.07	1	10/08/09 14:54	DN	3288694
Xylenes,Total	ND			0.005	10	1	10/08/09 14:54	DN	3288694
Surr: 1,2-Dichloroethane-d4	104		%	75-120		1	10/08/09 14:54	DN	3288694
Surr: 4-Bromofluorobenzene	93.1		%	89-109		1	10/08/09 14:54	DN	3288694
Surr: Toluene-d8	98.4		%	89-110		1	10/08/09 14:54	DN	3288694

Qualifiers:

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B/V - Analyte detected in the associated Method Blank
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TNTC - Too numerous to count
>MCL - Result Over Maximum Contamination Limit(MCL)
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SCOTT, LA 70583
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Client Sample ID: W-3514ACE-RB-B8-10-6-09 **Collected:** 10/06/2009 12:00 **SPL Sample ID:** 09100272-11

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
CHLORINATED HERBICIDES BY METHOD 8151A			**MCL**	**SW8151A**	**Units: mg/L**		
2,4,5-T	ND		0.000099	1	10/14/09 1:59	LDD	3294590
2,4,5-TP (Silvex)	ND		0.000095	1	10/14/09 1:59	LDD	3294590
2,4-D	ND		0.00094	1	10/14/09 1:59	LDD	3294590
2,4-DB	ND		0.00095	1	10/14/09 1:59	LDD	3294590
Dalapon	ND		0.0011	1	10/14/09 1:59	LDD	3294590
Dicamba	ND		0.000094	1	10/14/09 1:59	LDD	3294590
Dichloroprop	ND		0.00094	1	10/14/09 1:59	LDD	3294590
Dinoseb	ND		0.00047	1	10/14/09 1:59	LDD	3294590
MCPA	ND		0.093	1	10/14/09 1:59	LDD	3294590
MCPP	ND		0.093	1	10/14/09 1:59	LDD	3294590
Surr: DCAA	82.5	%	42-118	1	10/14/09 1:59	LDD	3294590

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	10/09/2009 10:49	DB	1.00

MERCURY, TOTAL BY COLD VAPOR			**MCL**	**SW7470A**	**Units: mg/L**		
Mercury	ND		0.0002	1	10/08/09 16:58	PFB	3288237

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7470A	10/08/2009 8:00	PFB	1.00

METALS BY METHOD 6020 (ICP/MS), TOTAL			**MCL**	**SW6020**	**Units: mg/L**		
Antimony	ND		0.005	1	10/08/09 16:57	RJD	3288878
Arsenic	ND		0.004	1	10/08/09 16:57	RJD	3288878
Barium	0.0293		0.01	1	10/08/09 16:57	RJD	3288878
Beryllium	ND		0.002	1	10/08/09 16:57	RJD	3288878
Cadmium	ND		0.002	1	10/08/09 16:57	RJD	3288878
Chromium	ND		0.01	1	10/08/09 16:57	RJD	3288878
Cobalt	ND		0.002	1	10/08/09 16:57	RJD	3288878
Copper	ND		0.002	1	10/08/09 16:57	RJD	3288878
Lead	0.00129		0.001	1	10/08/09 16:57	RJD	3288878
Nickel	ND		0.01	1	10/08/09 16:57	RJD	3288878
Selenium	ND		0.01	1	10/08/09 16:57	RJD	3288878
Silver	ND		0.001	1	10/08/09 16:57	RJD	3288878
Thallium	ND		0.002	1	10/08/09 16:57	RJD	3288878
Vanadium	ND		0.01	1	10/08/09 16:57	RJD	3288878
Zinc	ND		0.01	1	10/08/09 16:57	RJD	3288878

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3010A	10/07/2009 17:00	SA	1.00

Qualifiers:

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E - Estimated Value exceeds calibration curve
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: W-3514ACE-RB-B8-10-6-09 **Collected:** 10/06/2009 12:00 **SPL Sample ID:** 09100272-11

Site: SEABROOK BOAT LAUNCH

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ORGANOCHLORINE PESTICIDES BY EPA 8081B - WATER			**MCL**	**SW8081**	**Units: mg/L**		
4,4´-DDE	ND		0.00005	1	10/11/09 12:04	LDD	3291302
4,4´-DDT	ND		0.00005	1	10/11/09 12:04	LDD	3291302
Aldrin	ND		0.00005	1	10/11/09 12:04	LDD	3291302
alpha-BHC	ND		0.00005	1	10/11/09 12:04	LDD	3291302
alpha-Chlordane	ND		0.00005	1	10/11/09 12:04	LDD	3291302
beta-BHC	ND		0.00005	1	10/11/09 12:04	LDD	3291302
Chlordane	ND		0.0002	1	10/11/09 12:04	LDD	3291302
delta-BHC	ND		0.00005	1	10/11/09 12:04	LDD	3291302
Dieldrin	ND		0.00005	1	10/11/09 12:04	LDD	3291302
Endosulfan I	ND		0.00005	1	10/11/09 12:04	LDD	3291302
Endosulfan II	ND		0.00005	1	10/11/09 12:04	LDD	3291302
Endosulfan sulfate	ND		0.00005	1	10/11/09 12:04	LDD	3291302
Endrin	ND		0.00005	1	10/11/09 12:04	LDD	3291302
Endrin aldehyde	ND		0.00005	1	10/11/09 12:04	LDD	3291302
Endrin ketone	ND		0.00005	1	10/11/09 12:04	LDD	3291302
gamma-BHC	ND		0.00005	1	10/11/09 12:04	LDD	3291302
gamma-Chlordane	ND		0.00005	1	10/11/09 12:04	LDD	3291302
Heptachlor	ND		0.00005	1	10/11/09 12:04	LDD	3291302
Heptachlor epoxide	ND		0.00005	1	10/11/09 12:04	LDD	3291302
Methoxychlor	ND		0.00005	1	10/11/09 12:04	LDD	3291302
Toxaphene	ND		0.002	1	10/11/09 12:04	LDD	3291302
Surr: Decachlorobiphenyl	47.4	%	16-134	1	10/11/09 12:04	LDD	3291302
Surr: Tetrachloro-m-xylene	89.1	%	20-151	1	10/11/09 12:04	LDD	3291302

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510B	10/08/2009 11:53	DB	1.00

POLYCHLORINATED BIPHENYLS BY EPA 8082A - WATER			**MCL**	**SW8082**	**Units: mg/L**		
Aroclor 1016	ND		0.0005	1	10/08/09 22:35	LDD	3292974
Aroclor 1221	ND		0.0005	1	10/08/09 22:35	LDD	3292974
Aroclor 1232	ND		0.0005	1	10/08/09 22:35	LDD	3292974
Aroclor 1242	ND		0.0005	1	10/08/09 22:35	LDD	3292974
Aroclor 1248	ND		0.0005	1	10/08/09 22:35	LDD	3292974
Aroclor 1254	ND		0.0005	1	10/08/09 22:35	LDD	3292974
Aroclor 1260	ND		0.0005	1	10/08/09 22:35	LDD	3292974
Surr: Decachlorobiphenyl	50.7	%	10-134	1	10/08/09 22:35	LDD	3292974
Surr: Tetrachloro-m-xylene	63.7	%	15-137	1	10/08/09 22:35	LDD	3292974

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510B	10/08/2009 11:55	DB	1.00

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Client Sample ID: W-3514ACE-RB-B8-10-6-09 **Collected:** 10/06/2009 12:00 **SPL Sample ID:** 09100272-11

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				**MCL**	**SW8015C**	**Units: mg/L**		
Diesel Range Organics (C10-C28)	ND			0.1	1	10/09/09 14:50	E_G	3289567
Surr: o-Terphenyl	87.2		%	11-144	1	10/09/09 14:50	E_G	3289567

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3511	10/08/2009 9:23	J_L	1.00

RECAP GASOLINE RANGE ORGANICS				**MCL**	**SW8015C**	**Units: mg/L**		
Gasoline Range Organics (C6-C10)	ND			0.1	1	10/08/09 22:28	KJ	3288336
Surr: 1,4-Difluorobenzene	99.8		%	69-137	1	10/08/09 22:28	KJ	3288336
Surr: 4-Bromofluorobenzene	101		%	81-119	1	10/08/09 22:28	KJ	3288336

RECAP OIL RANGE ORGANICS				**MCL**	**SW8015C**	**Units: mg/L**		
Oil Range Organics (C28-C35)	ND			0.1	1	10/09/09 14:50	E_G	3289575
Surr: o-Terphenyl	87.2		%	11-139	1	10/09/09 14:50	E_G	3289575

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3511	10/08/2009 9:25	J_L	1.00

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SEMIVOLATILE ORGANICS BY EPA 8270D				**MCL**		**SW8270D**	**Units: mg/L**	
1,1-Biphenyl	ND		0.01	0.03	1	10/12/09 20:07	JNS	3292475
1,2,4,5-Tetrachlorobenzene	ND		0.0011	0.0011	1	10/12/09 20:07	JNS	3292475
1,2,4-Trichlorobenzene	ND		0.005	0.07	1	10/12/09 20:07	JNS	3292475
1,3-Dinitrobenzene	ND		0.01	0.01	1	10/12/09 20:07	JNS	3292475
2,3,4,6-Tetrachlorophenol	ND		0.01	0.11	1	10/12/09 20:07	JNS	3292475
2,4,5-Trichlorophenol	ND		0.005	0.37	1	10/12/09 20:07	JNS	3292475
2,4,6-Trichlorophenol	ND		0.005	0.01	1	10/12/09 20:07	JNS	3292475
2,4-Dichlorophenol	ND		0.005	0.011	1	10/12/09 20:07	JNS	3292475
2,4-Dimethylphenol	ND		0.005	0.073	1	10/12/09 20:07	JNS	3292475
2,4-Dinitrophenol	ND		0.01	0.0073	1	10/12/09 20:07	JNS	3292475
2,4-Dinitrotoluene	ND		0.005	0.0073	1	10/12/09 20:07	JNS	3292475
2,6-Dinitrotoluene	ND		0.0037	0.0037	1	10/12/09 20:07	JNS	3292475
2-Chloronaphthalene	ND		0.005	0.049	1	10/12/09 20:07	JNS	3292475
2-Chlorophenol	ND		0.003	0.003	1	10/12/09 20:07	JNS	3292475
2-Methylnaphthalene	ND		0.0002	0.00062	1	10/12/09 20:07	JNS	3292475
2-Nitroaniline	ND		0.005	0.05	1	10/12/09 20:07	JNS	3292475
3,3´-Dichlorobenzidine	ND		0.005	0.02	1	10/12/09 20:07	JNS	3292475
3-Nitroaniline	ND		0.0018	0.0018	1	10/12/09 20:07	JNS	3292475
4-Chloroaniline	ND		0.005	0.015	1	10/12/09 20:07	JNS	3292475
4-Nitroaniline	ND		0.005	0.011	1	10/12/09 20:07	JNS	3292475
4-Nitrophenol	ND		0.02	0.029	1	10/12/09 20:07	JNS	3292475
Acenaphthene	ND		0.0002	0.037	1	10/12/09 20:07	JNS	3292475
Acenaphthylene	ND		0.0002	0.1	1	10/12/09 20:07	JNS	3292475
Aniline	ND		0.005	0.012	1	10/12/09 20:07	JNS	3292475
Anthracene	ND		0.001	0.043	1	10/12/09 20:07	JNS	3292475
Benz(a)anthracene	ND		0.0002	0.0078	1	10/12/09 20:07	JNS	3292475
Benzo(a)pyrene	ND		0.0002	0.0002	1	10/12/09 20:07	JNS	3292475
Benzo(b)fluoranthene	ND		0.0002	0.0048	1	10/12/09 20:07	JNS	3292475
Benzo(k)fluoranthene	ND		0.0002	0.0025	1	10/12/09 20:07	JNS	3292475
Bis(2-chloroethyl)ether	ND		0.005	0.01	1	10/12/09 20:07	JNS	3292475
Bis(2-chloroisopropyl)ether	ND		0.005	0.01	1	10/12/09 20:07	JNS	3292475
Bis(2-ethylhexyl)phthalate	ND		0.005	0.01	1	10/12/09 20:07	JNS	3292475
Butyl benzyl phthalate	ND		0.005	0.73	1	10/12/09 20:07	JNS	3292475
Chrysene	ND		0.0002	0.0016	1	10/12/09 20:07	JNS	3292475
Dibenz(a,h)anthracene	ND		0.0002	0.0025	1	10/12/09 20:07	JNS	3292475
Dibenzofuran	ND		0.0024	0.0024	1	10/12/09 20:07	JNS	3292475
Diethyl phthalate	ND		0.005	2.9	1	10/12/09 20:07	JNS	3292475
Dimethyl phthalate	ND		0.005	37	1	10/12/09 20:07	JNS	3292475
Di-n-octyl phthalate	ND		0.005	0.02	1	10/12/09 20:07	JNS	3292475

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Client Sample ID: W-3514ACE-RB-B8-10-6-09 **Collected:** 10/06/2009 12:00 **SPL Sample ID:** 09100272-11

Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
Fluoranthene	ND			0.0002	0.15	1	10/12/09 20:07	JNS	3292475
Fluorene	ND			0.0002	0.024	1	10/12/09 20:07	JNS	3292475
Hexachlorobenzene	ND			0.001	0.001	1	10/12/09 20:07	JNS	3292475
Hexachlorobutadiene	ND			0.002	0.00073	1	10/12/09 20:07	JNS	3292475
Hexachlorocyclopentadiene	ND			0.01	0.05	1	10/12/09 20:07	JNS	3292475
Indeno(1,2,3-cd)pyrene	ND			0.0002	0.0037	1	10/12/09 20:07	JNS	3292475
Isophorone	ND			0.005	0.07	1	10/12/09 20:07	JNS	3292475
Naphthalene	ND			0.0002	0.01	1	10/12/09 20:07	JNS	3292475
Nitrobenzene	ND			0.001	0.001	1	10/12/09 20:07	JNS	3292475
N-Nitrosodi-n-propylamine	ND			0.005	0.01	1	10/12/09 20:07	JNS	3292475
N-Nitrosodiphenylamine	ND			0.005	0.014	1	10/12/09 20:07	JNS	3292475
Pentachlorophenol	ND			0.005	0.001	1	10/12/09 20:07	JNS	3292475
Phenanthrene	ND			0.0002	0.18	1	10/12/09 20:07	JNS	3292475
Phenol	0.0081			0.005	0.37	1	10/12/09 20:07	JNS	3292475
Pyrene	ND			0.0002	0.018	1	10/12/09 20:07	JNS	3292475
Surr: 2,4,6-Tribromophenol	74.1		%	39-152		1	10/12/09 20:07	JNS	3292475
Surr: 2-Fluorobiphenyl	71.8		%	41-125		1	10/12/09 20:07	JNS	3292475
Surr: 2-Fluorophenol	40.4		%	10-114		1	10/12/09 20:07	JNS	3292475
Surr: 4-Terphenyl-d14	75.3		%	34-135		1	10/12/09 20:07	JNS	3292475
Surr: Nitrobenzene-d5	73.2		%	36-126		1	10/12/09 20:07	JNS	3292475
Surr: Phenol-d5	28.3		%	10-84.1		1	10/12/09 20:07	JNS	3292475

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	10/09/2009 9:30	DB	1.00

Qualifiers:
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Site: **SEABROOK BOAT LAUNCH**

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	10/08/09 15:20	DN	3288695
1,1,1-Trichloroethane	ND		0.005	0.2	1	10/08/09 15:20	DN	3288695
1,1,2,2-Tetrachloroethane	ND		0.0005	0.0005	1	10/08/09 15:20	DN	3288695
1,1,2-Trichloroethane	ND		0.005	0.005	1	10/08/09 15:20	DN	3288695
1,1-Dichloroethane	ND		0.005	0.081	1	10/08/09 15:20	DN	3288695
1,1-Dichloroethene	ND		0.005	0.007	1	10/08/09 15:20	DN	3288695
1,2-Dibromo-3-chloropropane	ND		0.001	0.0002	1	10/08/09 15:20	DN	3288695
1,2-Dichlorobenzene	ND		0.001	0.6	1	10/08/09 15:20	DN	3288695
1,2-Dichloroethane	ND		0.005	0.005	1	10/08/09 15:20	DN	3288695
1,2-Dichloropropane	ND		0.002	0.005	1	10/08/09 15:20	DN	3288695
1,3-Dichlorobenzene	ND		0.001	0.01	1	10/08/09 15:20	DN	3288695
1,4-Dichlorobenzene	ND		0.001	0.075	1	10/08/09 15:20	DN	3288695
2-Butanone	ND		0.01	0.19	1	10/08/09 15:20	DN	3288695
4-Methyl-2-pentanone	ND		0.01	0.2	1	10/08/09 15:20	DN	3288695
Acetone	ND		0.05	0.1	1	10/08/09 15:20	DN	3288695
Benzene	ND		0.005	0.005	1	10/08/09 15:20	DN	3288695
Bromodichloromethane	ND		0.005	0.1	1	10/08/09 15:20	DN	3288695
Bromoform	ND		0.005	0.1	1	10/08/09 15:20	DN	3288695
Bromomethane	ND		0.01	0.01	1	10/08/09 15:20	DN	3288695
Carbon disulfide	ND		0.005	0.1	1	10/08/09 15:20	DN	3288695
Carbon tetrachloride	ND		0.005	0.005	1	10/08/09 15:20	DN	3288695
Chlorobenzene	ND		0.005	0.1	1	10/08/09 15:20	DN	3288695
Chloroethane	ND		0.005	0.01	1	10/08/09 15:20	DN	3288695
Chloroform	ND		0.005	0.1	1	10/08/09 15:20	DN	3288695
Chloromethane	ND		0.005	0.01	1	10/08/09 15:20	DN	3288695
Dibromochloromethane	ND		0.005	0.1	1	10/08/09 15:20	DN	3288695
Ethylbenzene	ND		0.005	0.7	1	10/08/09 15:20	DN	3288695
Hexachloroethane	ND		0.005	0.01	1	10/08/09 15:20	DN	3288695
Isobutyl alcohol	ND		0.1	1.1	1	10/08/09 15:20	DN	3288695
Methyl tert-butyl ether	ND		0.001	0.02	1	10/08/09 15:20	DN	3288695
Methylene chloride	ND		0.005	0.005	1	10/08/09 15:20	DN	3288695
Styrene	ND		0.005	0.1	1	10/08/09 15:20	DN	3288695
Tetrachloroethene	ND		0.005	0.005	1	10/08/09 15:20	DN	3288695
Toluene	ND		0.005	1	1	10/08/09 15:20	DN	3288695
Trichloroethene	ND		0.005	0.005	1	10/08/09 15:20	DN	3288695
Trichlorofluoromethane	ND		0.005	0.13	1	10/08/09 15:20	DN	3288695
Vinyl chloride	ND		0.001	0.002	1	10/08/09 15:20	DN	3288695
cis-1,3-Dichloropropene	ND		0.003	0.005	1	10/08/09 15:20	DN	3288695
trans-1,3-Dichloropropene	ND		0.003	0.005	1	10/08/09 15:20	DN	3288695

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Site: **SEABROOK BOAT LAUNCH**

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
cis-1,2-Dichloroethene	ND			0.005	0.07	1	10/08/09 15:20	DN	3288695
trans-1,2-Dichloroethene	ND			0.005	0.1	1	10/08/09 15:20	DN	3288695
m,p-Xylene	ND			0.005	10	1	10/08/09 15:20	DN	3288695
o-Xylene	ND			0.005	10	1	10/08/09 15:20	DN	3288695
1,3-Dichloropropene,Total	ND			0.005	0.005	1	10/08/09 15:20	DN	3288695
1,2-Dichloroethene (total)	ND			0.005	0.07	1	10/08/09 15:20	DN	3288695
Xylenes,Total	ND			0.005	10	1	10/08/09 15:20	DN	3288695
Surr: 1,2-Dichloroethane-d4	98.6		%	75-120		1	10/08/09 15:20	DN	3288695
Surr: 4-Bromofluorobenzene	95.4		%	89-109		1	10/08/09 15:20	DN	3288695
Surr: Toluene-d8	97.4		%	89-110		1	10/08/09 15:20	DN	3288695

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
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: RECAP Diesel Range Organics by Method 8015C **WorkOrder:** 09100272
Method: SW8015C **Lab Batch ID:** 83771

Method Blank

RunID: TPHB_091007A-3286533 Units: mg/Kg
Analysis Date: 10/07/2009 22:28 Analyst: DF

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	10
Surr: o-Terphenyl	69.5	12-145

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-01B	SD-3514ACE-B4-0-3
09100272-02B	SD-3514ACE-B6-30-35
09100272-03B	SD-3514-ACE-B7-0-3
09100272-04B	SD-3514-ACE-B8-0-3
09100272-05B	SD-3514ACE-B8-0-3A
09100272-06B	SD-3514ACE-B9-0-3

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

RunID: TPHB_091007A-3286534 Units: mg/Kg
Analysis Date: 10/07/2009 22:53 Analyst: DF
Preparation Date: 10/07/2009 12:33 Prep By: TCM Method SW3550C

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	82.2	82.2	100	96.5	96.5	16.0	36	48	113
Surr: o-Terphenyl	1.67	1.71	102	1.67	2.06	124	18.8	30	12	145

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

Sample Spiked: 09100263-01
RunID: TPHB_091007A-3286536 Units: mg/Kg
Analysis Date: 10/07/2009 23:43 Analyst: DF
Preparation Date: 10/07/2009 12:33 Prep By: TCM Method SW3550C

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	89.1	89.1	100	99.6	99.6	11.1	42	12	148
Surr: o-Terphenyl	ND	1.67	1.76	106	1.67	1.95	117	10.1	30	12	145

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: RECAP Oil Range Organics
Method: SW8015C
WorkOrder: 09100272
Lab Batch ID: 83772

Method Blank

RunID: TPHB_091005E-3289874 Units: mg/Kg
Analysis Date: 10/07/2009 22:28 Analyst: DF
Preparation Date: 10/07/2009 13:30 Prep By: TCM Method SW3550C

Analyte	Result	Rep Limit
Oil Range Organics (C28-C35)	ND	10
Surr: o-Terphenyl	69.5	10-148

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-01B	SD-3514ACE-B4-0-3
09100272-02B	SD-3514ACE-B6-30-35
09100272-03B	SD-3514-ACE-B7-0-3
09100272-04B	SD-3514-ACE-B8-0-3
09100272-05B	SD-3514ACE-B8-0-3A
09100272-06B	SD-3514ACE-B9-0-3

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

RunID: TPHB_091005E-3289879 Units: mg/Kg
Analysis Date: 10/09/2009 15:03 Analyst: DF
Preparation Date: 10/07/2009 13:30 Prep By: TCM Method SW3550C

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)	41.3	31.3	75.9	41.3	38.4	93.0	20.4	37	25	137
Surr: o-Terphenyl	1.67	1.58	94.9	1.67	1.89	113	17.4	30	10	148

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

Sample Spiked: 09100272-01
RunID: TPHB_091005E-3289881 Units: mg/Kg
Analysis Date: 10/09/2009 15:44 Analyst: DF
Preparation Date: 10/07/2009 13:30 Prep By: TCM Method SW3550C

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	41.3	27.3	66.3	41.3	37.9	91.8	32.3	36	36	120
Surr: o-Terphenyl	ND	1.67	1.29	77.1	1.67	1.89	113	37.8 *	30	10	148

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: **RECAP Diesel Range Organics by Method 8015C** **WorkOrder:** **09100272**
Method: **SW8015C** **Lab Batch ID:** **83802**

Method Blank

RunID: TPHC_091009A-3289563 Units: mg/L
Analysis Date: 10/09/2009 12:50 Analyst: E_G
Preparation Date: 10/08/2009 9:23 Prep By: J_L Method SW3511

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-11C	W-3514ACE-RB-B8-10-6-09

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	0.10
Surr: o-Terphenyl	76.9	11-144

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

RunID: TPHC_091009A-3289564 Units: mg/L
Analysis Date: 10/09/2009 13:09 Analyst: E_G
Preparation Date: 10/08/2009 9:23 Prep By: J_L 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	4.52	75.4	6.00	3.96	66.0	13.3	36	41	120
Surr: o-Terphenyl	0.100	0.0988	98.8	0.100	0.0855	85.5	14.4	30	11	144

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: RECAP Oil Range Organics
Method: SW8015C
WorkOrder: 09100272
Lab Batch ID: 83803

Method Blank

RunID: TPHC_091009B-3289571 Units: mg/L
Analysis Date: 10/09/2009 12:50 Analyst: E_G
Preparation Date: 10/08/2009 9:25 Prep By: J_L Method SW3511

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-11C	W-3514ACE-RB-B8-10-6-09

Analyte	Result	Rep Limit
Oil Range Organics (C28-C35)	ND	0.10
Surr: o-Terphenyl	76.9	21-128

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

RunID: TPHC_091009B-3289573 Units: mg/L
Analysis Date: 10/09/2009 13:49 Analyst: E_G
Preparation Date: 10/08/2009 9:25 Prep By: J_L 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)	2.87	2.34	81.5	2.87	2.11	73.5	10.3	41	13	169
Surr: o-Terphenyl	0.100	0.0789	78.9	0.100	0.0703	70.3	11.5	30	11	139

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: Organochlorine Pesticides by EPA 8081B - water **WorkOrder:** 09100272
Method: SW8081 **Lab Batch ID:** 83819

Method Blank

RunID: GCSVE5_091010B-3291294 Units: mg/L
Analysis Date: 10/11/2009 8:44 Analyst: LDD
Preparation Date: 10/08/2009 11:53 Prep By: DB Method SW3510B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-11E	W-3514ACE-RB-B8-10-6-09

Analyte	Result	Rep Limit
4,4´-DDE	ND	0.000050
4,4´-DDT	ND	0.000050
Aldrin	ND	0.000050
alpha-BHC	ND	0.000050
alpha-Chlordane	ND	0.000050
beta-BHC	ND	0.000050
Chlordane	ND	0.00020
delta-BHC	ND	0.000050
Dieldrin	ND	0.000050
Endosulfan I	ND	0.000050
Endosulfan II	ND	0.000050
Endosulfan sulfate	ND	0.000050
Endrin	ND	0.000050
Endrin aldehyde	ND	0.000050
Endrin ketone	ND	0.000050
gamma-BHC	ND	0.000050
gamma-Chlordane	ND	0.000050
Heptachlor	ND	0.000050
Heptachlor epoxide	ND	0.000050
Methoxychlor	ND	0.000050
Toxaphene	ND	0.0020
Surr: Decachlorobiphenyl	55.5	16-134
Surr: Tetrachloro-m-xylene	89.0	20-151

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

RunID: GCSVE5_091010B-329129 Units: mg/L
Analysis Date: 10/11/2009 9:10 Analyst: LDD
Preparation Date: 10/08/2009 11:53 Prep By: DB 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´-DDE	0.000250	0.000207	82.8	0.000250	0.000201	80.3	3.0	37	39	143
4,4´-DDT	0.000250	0.000235	93.8	0.000250	0.000218	87.2	7.3	40	36	151
Aldrin	0.000250	0.000221	88.3	0.000250	0.000225	89.8	1.7	32	43	135
alpha-BHC	0.000250	0.000206	82.4	0.000250	0.000217	86.7	5.2	33	39	143
alpha-Chlordane	0.000250	0.000230	92.0	0.000250	0.000225	90.2	2.0	39	45	137
beta-BHC	0.000250	0.000259	104	0.000250	0.000251	101	2.9	41	46	141
delta-BHC	0.000250	0.000199	79.7	0.000250	0.000196	78.6	1.4	36	30	147

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis:	**Organochlorine Pesticides by EPA 8081B - water**	**WorkOrder:**	**09100272**
Method:	**SW8081**	**Lab Batch ID:**	**83819**

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

RunID:	GCSVE5_091010B-329129	Units:	mg/L
Analysis Date:	10/11/2009 9:10	Analyst:	LDD
Preparation Date:	10/08/2009 11:53	Prep By:	DB 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
Dieldrin	0.000250	0.000234	93.6	0.000250	0.000226	90.6	3.3	35	42	143
Endosulfan I	0.000250	0.000247	99.0	0.000250	0.000244	97.6	1.4	39	41	146
Endosulfan II	0.000250	0.000252	101	0.000250	0.000230	92.0	9.4	42	50	136
Endosulfan sulfate	0.000250	0.000240	96.0	0.000250	0.000222	88.7	7.9	38	42	145
Endrin	0.000250	0.000246	98.2	0.000250	0.000231	92.4	6.1	37	40	152
Endrin aldehyde	0.000250	0.000262	105	0.000250	0.000242	97.0	8.0	43	48	137
Endrin ketone	0.000250	0.000270	108	0.000250	0.000262	105	3.2	41	41	148
gamma-BHC	0.000250	0.000214	85.8	0.000250	0.000225	90.1	5.0	34	39	146
gamma-Chlordane	0.000250	0.000234	93.4	0.000250	0.000230	91.9	1.6	34	45	136
Heptachlor	0.000250	0.000265	106	0.000250	0.000273	109	2.9	39	44	144
Heptachlor epoxide	0.000250	0.000241	96.2	0.000250	0.000241	96.3	0.1	36	45	142
Methoxychlor	0.000250	0.000258	103	0.000250	0.000234	93.5	9.7	44	36	172
Surr: Decachlorobiphenyl	1.00	0.715	71.5	1.00	0.734	73.4	2.6	43	16	134
Surr: Tetrachloro-m-xylene	1.00	0.901	90.1	1.00	0.891	89.1	1.1	45	20	151

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Polychlorinated Biphenyls by EPA 8082A - water** **WorkOrder:** **09100272**
Method: **SW8082** **Lab Batch ID:** **83820**

Method Blank

RunID: PEST_091007D-3292968 Units: mg/L
Analysis Date: 10/08/2009 20:36 Analyst: LDD
Preparation Date: 10/08/2009 11:55 Prep By: DB Method SW3510B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-11E	W-3514ACE-RB-B8-10-6-09

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	63.6	10-134
Surr: Tetrachloro-m-xylene	96.9	15-137

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

RunID: PEST_091007D-3292969 Units: mg/L
Analysis Date: 10/08/2009 20:56 Analyst: LDD
Preparation Date: 10/08/2009 11:55 Prep By: DB 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	0.00892	89.2	0.0100	0.00875	87.5	2.0	24	60	122
Aroclor 1260	0.0100	0.00851	85.1	0.0100	0.00758	75.8	11.5	43	37	141
Surr: Decachlorobiphenyl	1.00	0.750	75.0	1.00	0.576	57.6	26.2	30	10	134
Surr: Tetrachloro-m-xylene	1.00	0.902	90.2	1.00	0.940	94.0	4.1	30	15	137

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Organochlorine Pesticides by Method 8081B - soil** **WorkOrder:** **09100272**
Method: **SW8081** **Lab Batch ID:** **83843**

Method Blank

RunID: PEST2_091012B-3293871 Units: mg/Kg
Analysis Date: 10/12/2009 20:55 Analyst: LDD
Preparation Date: 10/08/2009 15:30 Prep By: TCM Method SW3550C

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
alpha-Chlordane	ND	0.0017
beta-BHC	ND	0.0017
Chlordane	ND	0.0067
delta-BHC	ND	0.0017
Dieldrin	ND	0.0017
Endosulfan I	ND	0.0017
Endosulfan II	ND	0.0017
Endosulfan sulfate	ND	0.0017
Endrin	ND	0.0017
Endrin aldehyde	ND	0.0017
Endrin ketone	ND	0.0017
gamma-BHC	ND	0.0017
gamma-Chlordane	ND	0.0017
Heptachlor	ND	0.0017
Heptachlor epoxide	ND	0.0017
Methoxychlor	ND	0.0017
Toxaphene	ND	0.17
Surr: Decachlorobiphenyl	83.5	10-180
Surr: Tetrachloro-m-xylene	72.5	10-157

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-01B	SD-3514ACE-B4-0-3
09100272-02B	SD-3514ACE-B6-30-35
09100272-03B	SD-3514-ACE-B7-0-3
09100272-04B	SD-3514-ACE-B8-0-3
09100272-05B	SD-3514ACE-B8-0-3A
09100272-06B	SD-3514ACE-B9-0-3

Laboratory Control Sample (LCS)

RunID: PEST2_091012B-3293872 Units: mg/Kg
Analysis Date: 10/12/2009 21:18 Analyst: LDD
Preparation Date: 10/08/2009 15:30 Prep By: TCM Method SW3550C

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
4,4´-DDD	0.00830	0.00837	101	51	124
4,4´-DDE	0.00830	0.00823	99.2	57	121
4,4´-DDT	0.00830	0.00904	109	32	160
Aldrin	0.00830	0.00816	98.3	48	131
alpha-BHC	0.00830	0.00791	95.3	45	122
alpha-Chlordane	0.00830	0.00820	98.8	53	121
beta-BHC	0.00830	0.00819	98.6	49	130

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis:	**Organochlorine Pesticides by Method 8081B - soil**	**WorkOrder:**	**09100272**
Method:	**SW8081**	**Lab Batch ID:**	**83843**

Laboratory Control Sample (LCS)

RunID:	PEST2_091012B-3293872	Units:	mg/Kg
Analysis Date:	10/12/2009 21:18	Analyst:	LDD
Preparation Date:	10/08/2009 15:30	Prep By:	TCM Method SW3550C

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
delta-BHC	0.00830	0.00660	79.5	33	109
Dieldrin	0.00830	0.00812	97.8	45	133
Endosulfan I	0.00830	0.00812	97.8	56	120
Endosulfan II	0.00830	0.00794	95.7	52	118
Endosulfan sulfate	0.00830	0.00747	90.0	43	120
Endrin	0.00830	0.00827	99.6	39	142
Endrin aldehyde	0.00830	0.00787	94.8	38	137
Endrin ketone	0.00830	0.00800	96.4	50	121
gamma-BHC	0.00830	0.00799	96.3	44	128
gamma-Chlordane	0.00830	0.00817	98.5	59	120
Heptachlor	0.00830	0.00875	105	35	151
Heptachlor epoxide	0.00830	0.00813	98.0	53	124
Methoxychlor	0.00830	0.00919	111	40	154
Surr: Decachlorobiphenyl	33.3	31.2	93.6	10	180
Surr: Tetrachloro-m-xylene	33.3	27.6	83.0	10	157

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Polychlorinated Biphenyls by EPA 8082A - soil** **WorkOrder:** **09100272**
Method: **SW8082** **Lab Batch ID:** **83844**

Method Blank

RunID: PEST_091007B-3292156 Units: mg/Kg
Analysis Date: 10/09/2009 19:10 Analyst: LDD
Preparation Date: 10/08/2009 15:31 Prep By: TCM Method SW3550C

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	78.2	10-187
Surr: Tetrachloro-m-xylene	93.3	10-153

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-01B	SD-3514ACE-B4-0-3
09100272-02B	SD-3514ACE-B6-30-35
09100272-03B	SD-3514-ACE-B7-0-3
09100272-04B	SD-3514-ACE-B8-0-3
09100272-05B	SD-3514ACE-B8-0-3A
09100272-06B	SD-3514ACE-B9-0-3

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

RunID: PEST_091007B-3292157 Units: mg/Kg
Analysis Date: 10/09/2009 19:30 Analyst: LDD
Preparation Date: 10/08/2009 15:31 Prep By: TCM Method SW3550C

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	0.356	108	0.330	0.349	106	2.0	28	53	148
Aroclor 1260	0.330	0.374	113	0.330	0.386	117	3.0	33	52	152
Surr: Decachlorobiphenyl	0.0330	0.0333	101	0.0330	0.0345	105	3.5	30	10	187
Surr: Tetrachloro-m-xylene	0.0330	0.0363	110	0.0330	0.0348	105	4.2	30	10	153

Qualifiers:
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B - Analyte Detected In The Associated Method Blank
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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.

3514ACE PROPOSED SEABROOK GATE

Analysis: Chlorinated Herbicides by Method 8151A
Method: SW8151A
WorkOrder: 09100272
Lab Batch ID: 83864

Method Blank

RunID: GCSVE5_091012C-3294586 Units: mg/L
Analysis Date: 10/13/2009 19:26 Analyst: LDD
Preparation Date: 10/09/2009 10:49 Prep By: DB Method SW3510C

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-11F	W-3514ACE-RB-B8-10-6-09

Analyte	Result	Rep Limit
2,4,5-T	ND	0.000099
2,4,5-TP (Silvex)	ND	0.000095
2,4-D	ND	0.00094
2,4-DB	ND	0.00095
Dalapon	ND	0.0011
Dicamba	ND	0.000094
Dichloroprop	ND	0.00094
Dinoseb	ND	0.00047
MCPA	ND	0.093
MCPP	ND	0.093
Surr: DCAA	89.6	42-118

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

RunID: GCSVE5_091012C-329463 Units: mg/L
Analysis Date: 10/13/2009 20:05 Analyst: LDD
Preparation Date: 10/09/2009 10:49 Prep By: DB 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
2,4,5-T	0.000495	0.000381	77.0	0.000495	0.000376	76.0	1.2	38	65	121
2,4,5-TP (Silvex)	0.000475	0.000404	85.2	0.000475	0.000379	79.7	6.6	24	69	120
2,4-D	0.00470	0.00412	87.7	0.00470	0.00382	81.2	7.7	31	52	134
2,4-DB	0.00475	0.00323	68.0	0.00475	0.00267	56.2	19.0	19	46	147
Dalapon	0.0114	0.00649	57.2	0.0114	0.00662	58.3	1.9	51	10	81.5
Dicamba	0.000470	0.000389	82.8	0.000470	0.000365	77.6	6.6	18	51	116
Dichloroprop	0.00470	0.00513	109	0.00470	0.00490	104	4.7	27	78	155
Dinoseb	0.00235	0.00183	77.8	0.00235	0.00150	63.9	19.5	31	38	128
MCPA	0.465	0.465	100	0.465	0.415	89.3	11.4	18	48	125
MCPP	0.465	0.446	96.0	0.465	0.415	89.2	7.3	23	72	125
Surr: DCAA	1.00	0.861	86.1	1.00	0.772	77.2	10.8	30	42	118

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: TCLP Organochlorine Pesticides by EPA 8081B **WorkOrder:** 09100272
Method: SW8081 **Lab Batch ID:** 84253

Method Blank

RunID: GCSVE5_091024B-3312763 Units: mg/L
Analysis Date: 10/25/2009 6:28 Analyst: LDD
Preparation Date: 10/22/2009 12:40 Prep By: JB Method SW3510B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-07A	WA-3514ACE-COMP2
09100272-08A	WA-3514ACE-COMP3

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	81.0	16-134
Surr: Tetrachloro-m-xylene	95.3	20-151

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

RunID: GCSVE5_091024B-331276 Units: mg/L
Analysis Date: 10/25/2009 6:53 Analyst: LDD
Preparation Date: 10/22/2009 12:40 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	0.00235	93.9	0.00250	0.00238	95.4	1.6	37	40	152
gamma-BHC	0.00250	0.00211	84.3	0.00250	0.00209	83.5	0.9	34	39	146
Heptachlor	0.00250	0.00240	96.1	0.00250	0.00246	98.4	2.4	39	44	144
Heptachlor epoxide	0.00250	0.00279	111	0.00250	0.00265	106	5.0	36	45	142
Methoxychlor	0.00250	0.00238	95.3	0.00250	0.00253	101	6.1	44	36	172
Surr: Decachlorobiphenyl	10.0	8.45	84.5	10.0	9.81	98.1	14.9	43	16	134
Surr: Tetrachloro-m-xylene	10.0	9.69	96.9	10.0	9.66	96.6	0.3	45	20	151

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

Sample Spiked: 09100232-08
RunID: GCSVE5_091024B-331276 Units: mg/L
Analysis Date: 10/25/2009 8:33 Analyst: LDD
Preparation Date: 10/22/2009 12:40 Prep By: JB Method SW3510B

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: **TCLP Organochlorine Pesticides by EPA 8081B** **WorkOrder:** **09100272**
Method: **SW8081** **Lab Batch ID:** **84253**

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	0.00231	92.2	0.0025	0.00227	90.9	1.46	37	40	152
gamma-BHC	ND	0.0025	0.00207	82.9	0.0025	0.00206	82.4	0.610	34	39	146
Heptachlor	ND	0.0025	0.00242	96.6	0.0025	0.00233	93.2	3.56	39	44	144
Heptachlor epoxide	ND	0.0025	0.00266	106	0.0025	0.00278	111	4.41	36	45	142
Methoxychlor	ND	0.0025	0.00243	97.3	0.0025	0.00231	92.6	5.00	44	36	172
Surr: Decachlorobiphenyl	ND	10	7.66	76.6	10	6.50	65.0	16.3	43	16	134
Surr: Tetrachloro-m-xylene	ND	10	9.5	95.0	10	9.34	93.4	1.73	45	20	151

Qualifiers:
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B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: TCLP Chlorinated Herbicides
Method: SW8151A

WorkOrder: 09100272
Lab Batch ID: 84254

Method Blank

RunID: GCSVE5_091026A-3315000 Units: mg/L
Analysis Date: 10/27/2009 4:49 Analyst: LDD
Preparation Date: 10/22/2009 13:56 Prep By: DB Method SW3510B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-07A	WA-3514ACE-COMP2
09100272-08A	WA-3514ACE-COMP3

Analyte	Result	Rep Limit
2,4,5-TP (Silvex)	ND	0.0010
2,4-D	ND	0.010
Surr: DCAA	74.7	42-118

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

RunID: GCSVE5_091026A-331500 Units: mg/L
Analysis Date: 10/27/2009 5:23 Analyst: LDD
Preparation Date: 10/22/2009 13:56 Prep By: DB 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	0.00463	97.6	0.00475	0.00490	103	5.6	24	69	120
2,4-D	0.0470	0.0431	91.6	0.0470	0.0471	100	9.0	31	52	134
Surr: DCAA	10.0	8.68	86.8	10.0	9.02	90.2	3.8	30	42	118

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

Sample Spiked: 09100232-09
RunID: GCSVE5_091026A-331500 Units: mg/L
Analysis Date: 10/27/2009 8:03 Analyst: LDD
Preparation Date: 10/22/2009 13:56 Prep By: DB 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	0.00536	113	0.0048	0.00443	93.3	18.9	24	69	120
2,4-D	ND	0.047	0.0538	114	0.047	0.0417	88.8	25.2	31	52	134
Surr: DCAA	ND	10	7.68	76.8	10	9.03	90.3	16.2	30	42	118

Qualifiers:
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MI - Matrix Interference
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: RECAP Gasoline Range Organics
Method: SW8015C
WorkOrder: 09100272
Lab Batch ID: R217608

Method Blank

RunID: HPNN_091007D-3288322 Units: mg/L
Analysis Date: 10/08/2009 8:28 Analyst: KJ

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-09B	W-3514ACE-TB-10-6-09
09100272-10B	W-3514ACE-FB-10-6-09
09100272-11B	W-3514ACE-RB-B8-10-6-09

Analyte	Result	Rep Limit
Gasoline Range Organics (C6-C10)	ND	0.10
Surr: 1,4-Difluorobenzene	96.1	69-137
Surr: 4-Bromofluorobenzene	103.4	81-119

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

RunID: HPNN_091007D-3288323 Units: mg/L
Analysis Date: 10/08/2009 10:07 Analyst: KJ

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	5.01	100	5.00	5.16	103	3.0	13	75	114
Surr: 1,4-Difluorobenzene	30.0	25.8	86.0	30.0	26.8	89.2	3.6	30	69	137
Surr: 4-Bromofluorobenzene	30.0	31.0	103	30.0	29.9	99.7	3.5	30	81	119

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: RECAP Gasoline Range Organics
Method: SW8015C
WorkOrder: 09100272
Lab Batch ID: R217610

Method Blank

RunID: HPOO_091007B-3288451 Units: mg/Kg
Analysis Date: 10/08/2009 6:12 Analyst: KJ

Analyte	Result	Rep Limit
Gasoline Range Organics (C6-C10)	ND	0.10
Surr: 1,4-Difluorobenzene	90.8	56-151
Surr: 4-Bromofluorobenzene	114.2	55-148

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-01A	SD-3514ACE-B4-0-3
09100272-02A	SD-3514ACE-B6-30-35
09100272-03A	SD-3514-ACE-B7-0-3
09100272-04A	SD-3514-ACE-B8-0-3
09100272-05A	SD-3514ACE-B8-0-3A
09100272-06A	SD-3514ACE-B9-0-3

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

RunID: HPOO_091007B-3288354 Units: mg/Kg
Analysis Date: 10/08/2009 9:34 Analyst: KJ

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	4.64	92.9	5.00	4.55	91.1	2.0	15	75	119
Surr: 1,4-Difluorobenzene	30.0	39.4	131	30.0	39.1	130	0.7	30	56	151
Surr: 4-Bromofluorobenzene	30.0	33.9	113	30.0	33.6	112	0.9	30	55	148

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: Metals by Method 6020 (ICP/MS), Total
Method: SW6020
WorkOrder: 09100272
Lab Batch ID: 83790-I

Method Blank

RunID: ICPMS_091008C-3288876 Units: mg/L
Analysis Date: 10/08/2009 16:51 Analyst: RJD
Preparation Date: 10/07/2009 17:00 Prep By: SA Method SW3010A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-11G	W-3514ACE-RB-B8-10-6-09

Analyte	Result	Rep Limit
Antimony	ND	0.005
Arsenic	ND	0.004
Barium	ND	0.01
Beryllium	ND	0.002
Cadmium	ND	0.002
Chromium	ND	0.01
Cobalt	ND	0.002
Copper	ND	0.002
Lead	ND	0.001
Nickel	ND	0.01
Selenium	ND	0.01
Silver	ND	0.001
Thallium	ND	0.002
Vanadium	ND	0.01
Zinc	ND	0.01

Laboratory Control Sample (LCS)

RunID: ICPMS_091008C-3288877 Units: mg/L
Analysis Date: 10/08/2009 16:54 Analyst: RJD
Preparation Date: 10/07/2009 17:00 Prep By: SA Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Antimony	0.1000	0.09798	97.98	80	120
Arsenic	0.1000	0.09121	91.21	80	120
Barium	0.1000	0.09649	96.49	80	120
Beryllium	0.1000	0.1012	101.2	80	120
Cadmium	0.1000	0.09348	93.48	80	120
Chromium	0.1000	0.09643	96.43	80	120
Cobalt	0.1000	0.09848	98.48	80	120
Copper	0.1000	0.09807	98.07	80	120
Lead	0.1000	0.09475	94.75	80	120
Nickel	0.1000	0.09748	97.48	80	120
Selenium	0.5000	0.4202	84.04	80	120
Silver	0.1000	0.09723	97.23	80	120
Thallium	0.1000	0.09546	95.46	80	120
Vanadium	0.1000	0.09488	94.88	80	120

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
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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.

3514ACE PROPOSED SEABROOK GATE

Analysis: Metals by Method 6020 (ICP/MS), Total **WorkOrder:** 09100272
Method: SW6020 **Lab Batch ID:** 83790-I

Laboratory Control Sample (LCS)

RunID: ICPMS_091008C-3288877 Units: mg/L
Analysis Date: 10/08/2009 16:54 Analyst: RJD
Preparation Date: 10/07/2009 17:00 Prep By: SA Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Zinc	0.1000	0.09043	90.43	80	120

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

Sample Spiked: 09100272-11
RunID: ICPMS_091008C-3288880 Units: mg/L
Analysis Date: 10/08/2009 17:02 Analyst: RJD
Preparation Date: 10/07/2009 17:00 Prep By: SA 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
Antimony	ND	0.1	0.09571	95.18	0.1	0.09520	94.67	0.5324	20	75	125
Arsenic	ND	0.1	0.08682	86.82	0.1	0.08904	89.04	2.526	20	75	125
Barium	0.02928	0.1	0.1268	97.56	0.1	0.1251	95.80	1.398	20	75	125
Beryllium	ND	0.1	0.1004	100.4	0.1	0.09806	98.06	2.359	20	75	125
Cadmium	ND	0.1	0.09030	90.30	0.1	0.08965	89.65	0.7171	20	75	125
Chromium	ND	0.1	0.09392	93.15	0.1	0.09303	92.25	0.9535	20	75	125
Cobalt	ND	0.1	0.09529	95.29	0.1	0.09711	97.11	1.895	20	75	125
Copper	ND	0.1	0.09477	94.77	0.1	0.09446	94.46	0.3250	20	75	125
Lead	0.001288	0.1	0.09356	92.27	0.1	0.09196	90.67	1.721	20	75	125
Nickel	ND	0.1	0.09541	95.41	0.1	0.09606	96.06	0.6766	20	75	125
Selenium	ND	0.5	0.4116	82.33	0.5	0.4096	81.92	0.4938	20	75	125
Silver	ND	0.1	0.09665	96.65	0.1	0.09469	94.69	2.054	20	75	125
Thallium	ND	0.1	0.09102	90.58	0.1	0.09031	89.87	0.7833	20	75	125
Vanadium	ND	0.1	0.09301	93.01	0.1	0.09203	92.03	1.056	20	75	125
Zinc	ND	0.1	0.08884	88.84	0.1	0.08916	89.16	0.3606	20	75	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Mercury, Total by Cold Vapor** **WorkOrder:** **09100272**
Method: **SW7471B** **Lab Batch ID:** **83794**

Method Blank

RunID: FIMS-400_091009C-3289814 Units: mg/Kg
Analysis Date: 10/09/2009 16:26 Analyst: PFB
Preparation Date: 10/09/2009 9:00 Prep By: PFB Method SW7471A

Analyte	Result	Rep Limit
Mercury	ND	0.1

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-01C	SD-3514ACE-B4-0-3
09100272-02C	SD-3514ACE-B6-30-35
09100272-03C	SD-3514-ACE-B7-0-3
09100272-04C	SD-3514-ACE-B8-0-3
09100272-05C	SD-3514ACE-B8-0-3A
09100272-06C	SD-3514ACE-B9-0-3

Laboratory Control Sample (LCS)

RunID: FIMS-400_091009C-328981 Units: mg/Kg
Analysis Date: 10/09/2009 16:30 Analyst: PFB
Preparation Date: 10/09/2009 9:00 Prep By: PFB Method SW7471A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	8.480	7.409	87.38	66.04	132.1

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

Sample Spiked: 09100272-01
RunID: FIMS-400_091009C-328981 Units: mg/Kg
Analysis Date: 10/09/2009 16:42 Analyst: PFB
Preparation Date: 10/09/2009 9:00 Prep By: PFB 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	1.519	101.2	1.5	1.523	101.5	0.2972	20	75	125

Qualifiers:
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Mercury, Total by Cold Vapor** **WorkOrder:** **09100272**
Method: **SW7470A** **Lab Batch ID:** **83817**

Method Blank

RunID: FIMS-400_091008C-3288233 Units: mg/L
Analysis Date: 10/08/2009 16:41 Analyst: PFB
Preparation Date: 10/08/2009 8:00 Prep By: PFB Method SW7470A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-11G	W-3514ACE-RB-B8-10-6-09

Analyte	Result	Rep Limit
Mercury	ND	0.0002

Laboratory Control Sample (LCS)

RunID: FIMS-400_091008C-328823 Units: mg/L
Analysis Date: 10/08/2009 16:45 Analyst: PFB
Preparation Date: 10/08/2009 8:00 Prep By: PFB Method SW7470A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	0.01000	0.009814	98.14	80	120

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

Sample Spiked: 09100272-11
RunID: FIMS-400_091008C-328823 Units: mg/L
Analysis Date: 10/08/2009 17:06 Analyst: PFB
Preparation Date: 10/08/2009 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	0.009096	90.96	0.01	0.008838	88.38	2.883	20	75	125

Qualifiers:
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B - Analyte Detected In The Associated Method Blank
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D - Recovery Unreportable due to Dilution
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: Metals by Method 6020 (ICP/MS), Total
Method: SW6020
WorkOrder: 09100272
Lab Batch ID: 83842-I

Method Blank

RunID: ICPMS_091009A-3289266 Units: mg/Kg
Analysis Date: 10/09/2009 12:42 Analyst: RJD
Preparation Date: 10/08/2009 10:45 Prep By: SA Method SW3050B

Analyte	Result	Rep Limit
Antimony	ND	1.25
Arsenic	ND	1
Barium	ND	1.25
Beryllium	ND	0.5
Cadmium	ND	0.5
Chromium	ND	1
Cobalt	ND	0.5
Copper	ND	0.5
Lead	ND	0.25
Nickel	ND	0.5
Selenium	ND	1.25
Silver	ND	0.25
Thallium	ND	0.5
Vanadium	ND	2.5
Zinc	ND	1.5

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-01C	SD-3514ACE-B4-0-3
09100272-02C	SD-3514ACE-B6-30-35
09100272-03C	SD-3514-ACE-B7-0-3
09100272-04C	SD-3514-ACE-B8-0-3
09100272-05C	SD-3514ACE-B8-0-3A
09100272-06C	SD-3514ACE-B9-0-3

Laboratory Control Sample (LCS)

RunID: ICPMS_091009A-3289267 Units: mg/Kg
Analysis Date: 10/09/2009 12:44 Analyst: RJD
Preparation Date: 10/08/2009 10:45 Prep By: SA Method SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Antimony	127.0	115.8	91.19	1	210
Arsenic	280.0	235.4	84.06	80.7	119
Barium	520.0	534.3	102.7	82.7	117
Beryllium	51.00	54.49	106.8	83.1	117
Cadmium	182.0	189.7	104.2	81.9	118
Chromium	142.0	144.2	101.6	81	120
Cobalt	110.0	116.5	105.9	82.2	118
Copper	132.0	132.7	100.5	83.3	117
Lead	72.20	75.66	104.8	81.9	118
Nickel	155.0	162.2	104.6	82.6	117
Selenium	165.0	151.1	91.57	77.6	123
Silver	126.0	136.8	108.6	66.4	134
Thallium	184.0	197.5	107.4	77.2	122
Vanadium	186.0	188.3	101.2	77.4	123

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MI - Matrix Interference
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Metals by Method 6020 (ICP/MS), Total** **WorkOrder:** **09100272**
Method: **SW6020** **Lab Batch ID:** **83842-I**

Laboratory Control Sample (LCS)

RunID: ICPMS_091009A-3289267 Units: mg/Kg
Analysis Date: 10/09/2009 12:44 Analyst: RJD
Preparation Date: 10/08/2009 10:45 Prep By: SA Method SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Zinc	346.0	359.7	104.0	78.9	121

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

Sample Spiked: 09100272-01
RunID: ICPMS_091009A-3289272 Units: mg/Kg
Analysis Date: 10/09/2009 12:58 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
Antimony	ND	125	121.9	97.35	125	118.6	94.69	2.758	20	75	125
Lead	7.64	125	136.6	103.1	125	128	96.28	6.482	20	75	125

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

Sample Spiked: 09100272-01
RunID: ICPMS_091009A-3289270 Units: mg/Kg
Analysis Date: 10/09/2009 12:53 Analyst: RJD
Preparation Date: 10/08/2009 10:45 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
Antimony	ND	10	5.913	57.02 *	10	5.752	55.40 *	2.769	20	75	125
Arsenic	ND	10	9.431	89.35	10	9.426	89.30	0.05028	20	75	125
Barium	64.78	10	115.2	N/C	10	88.45	N/C	N/C	20	75	125
Beryllium	ND	10	10.09	99.19	10	10.20	100.2	1.044	20	75	125
Cadmium	ND	10	9.472	93.52	10	9.513	93.93	0.4280	20	75	125
Chromium	1.505	10	11.66	101.5	10	11.41	99.01	2.168	20	75	125
Cobalt	0.7567	10	10.63	98.74	10	10.43	96.72	1.919	20	75	125
Copper	1.163	10	11.12	99.60	10	11.02	98.58	0.9187	20	75	125
Lead	7.639	10	16.08	84.43	10	14.13	64.91 *	12.93	20	75	125

Qualifiers:
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MI - Matrix Interference
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis:	**Metals by Method 6020 (ICP/MS), Total**	**WorkOrder:**	**09100272**
Method:	**SW6020**	**Lab Batch ID:**	**83842-I**

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

Sample Spiked:	09100272-01		
RunID:	ICPMS_091009A-3289270	Units:	mg/Kg
Analysis Date:	10/09/2009 12:53	Analyst:	RJD
Preparation Date:	10/08/2009 10:45	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
Nickel	1.333	10	11.31	99.73	10	11.33	100.0	0.2600	20	75	125
Selenium	ND	50	41.20	82.41	50	41.40	82.81	0.4866	20	75	125
Silver	ND	10	9.885	97.91	10	9.810	97.16	0.7622	20	75	125
Thallium	ND	10	9.720	97.20	10	9.925	99.25	2.081	20	75	125
Vanadium	ND	10	12.11	100.6	10	12.14	100.9	0.1999	20	75	125
Zinc	6.530	10	16.97	104.4	10	16.26	97.29	4.280	20	75	125

Qualifiers:
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **TCLP Mercury** **WorkOrder:** **09100272**
Method: **SW7470A** **Lab Batch ID:** **84247**

Method Blank

RunID: FIMS-400_091022C-3308745 Units: mg/L
Analysis Date: 10/22/2009 18:11 Analyst: PFB
Preparation Date: 10/22/2009 11:00 Prep By: PFB Method SW7470A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-07A	WA-3514ACE-COMP2
09100272-08A	WA-3514ACE-COMP3

Analyte	Result	Rep Limit
Mercury	ND	0.02

Laboratory Control Sample (LCS)

RunID: FIMS-400_091022C-330874 Units: mg/L
Analysis Date: 10/22/2009 18:15 Analyst: PFB
Preparation Date: 10/22/2009 11:00 Prep By: PFB Method SW7470A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	0.3000	0.2933	97.75	80	120

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

Sample Spiked: 09100232-08
RunID: FIMS-400_091022C-330874 Units: mg/L
Analysis Date: 10/22/2009 18:27 Analyst: PFB
Preparation Date: 10/22/2009 11:00 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	0.3052	101.7	0.3	0.3022	100.7	1.020	20	75	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
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D - Recovery Unreportable due to Dilution
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: TCLP Metals by Method 6010B
Method: SW6010B
WorkOrder: 09100272
Lab Batch ID: 84261

Method Blank

RunID: ICPDV_091024A-3311426 Units: mg/L
Analysis Date: 10/24/2009 16:44 Analyst: SVW
Preparation Date: 10/22/2009 17:00 Prep By: SA Method SW3010A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-07A	WA-3514ACE-COMP2
09100272-08A	WA-3514ACE-COMP3

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

Laboratory Control Sample (LCS)

RunID: ICPDV_091024A-3311427 Units: mg/L
Analysis Date: 10/24/2009 16:49 Analyst: SVW
Preparation Date: 10/22/2009 17:00 Prep By: SA Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	10.00	11.58	115.8	80	120
Barium	10.00	10.32	103.2	80	120
Cadmium	10.00	10.52	105.2	80	120
Chromium	10.00	10.16	101.6	80	120
Lead	10.00	10.40	104.0	80	120
Selenium	10.00	10.64	106.4	80	120

Sample Duplicate

Original Sample: 09100232-08
RunID: ICPDV_091024A-3311428 Units: mg/L
Analysis Date: 10/24/2009 16:53 Analyst: SVW
Preparation Date: 10/22/2009 17:00 Prep By: SA Method SW3010A
Leach Date: 10/21/2009 0:00 Leach By: KT Method SW1311

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Arsenic	ND	ND	0	20
Barium	1.01	0.9887	2.10	20
Cadmium	ND	ND	0	20
Chromium	ND	ND	0	20
Lead	ND	ND	0	20

Qualifiers:
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B - Analyte Detected In The Associated Method Blank
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **TCLP Metals by Method 6010B** **WorkOrder:** **09100272**
Method: **SW6010B** **Lab Batch ID:** **84261**

Sample Duplicate

Original Sample: 09100232-08
RunID: ICPDV_091024A-3311428 Units: mg/L
Analysis Date: 10/24/2009 16:53 Analyst: SVW
Preparation Date: 10/22/2009 17:00 Prep By: SA Method SW3010A
Leach Date: 10/21/2009 0:00 Leach By: KT Method SW1311

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Selenium	ND	ND	0	20

Matrix Spike (MS)

Sample Spiked: 09100232-08
RunID: ICPDV_091024A-3311430 Units: mg/L
Analysis Date: 10/24/2009 17:03 Analyst: SVW
Preparation Date: 10/22/2009 17:00 Prep By: SA Method SW3010A

Analyte	Sample Result	Spike Added	MS Result	MS % Recovery	Low Limit	High Limit
Arsenic	ND	10	10.38	103.4	75	125
Barium	1.010	10	9.909	88.99	75	125
Cadmium	ND	10	9.122	91.08	75	125
Chromium	ND	10	9.071	90.57	75	125
Lead	ND	10	8.948	89.44	75	125
Selenium	ND	10	9.556	95.56	75	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis: **TCLP Metals by Method 6010B** **WorkOrder:** **09100272**
Method: **SW6010B** **Lab Batch ID:** **84261**

Method Blank

RunID: ICPDV_091024D-3311580 Units: mg/L
Analysis Date: 10/24/2009 16:44 Analyst: SVW
Preparation Date: 10/22/2009 17:00 Prep By: SA Method SW3010A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-07A	WA-3514ACE-COMP2
09100272-08A	WA-3514ACE-COMP3

Analyte	Result	Rep Limit
Silver	ND	0.1

Laboratory Control Sample (LCS)

RunID: ICPDV_091024D-3311581 Units: mg/L
Analysis Date: 10/24/2009 16:49 Analyst: SVW
Preparation Date: 10/22/2009 17:00 Prep By: SA Method SW3010A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Silver	10.00	10.40	104.0	80	120

Sample Duplicate

Original Sample: 09100232-08
RunID: ICPDV_091024D-3311582 Units: mg/L
Analysis Date: 10/24/2009 16:53 Analyst: SVW
Preparation Date: 10/22/2009 17:00 Prep By: SA Method SW3010A
Leach Date: 10/21/2009 0:00 Leach By: KT Method SW1311

Analyte	Sample Result	DUP Result	RPD	RPD Limit
Silver	ND	ND	0	20

Matrix Spike (MS)

Sample Spiked: 09100232-08
RunID: ICPDV_091024D-3311584 Units: mg/L
Analysis Date: 10/24/2009 17:03 Analyst: SVW
Preparation Date: 10/22/2009 17:00 Prep By: SA Method SW3010A

Analyte	Sample Result	Spike Added	MS Result	MS % Recovery	Low Limit	High Limit
Silver	ND	10	9.513	94.98	75	125

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

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

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

Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: RECAP Semivolatile Organics by EPA 8270D
Method: SW8270D
WorkOrder: 09100272
Lab Batch ID: 83800

Method Blank

RunID: D_091009A-3290126 Units: mg/Kg
Analysis Date: 10/09/2009 11:21 Analyst: KTK
Preparation Date: 10/08/2009 8:51 Prep By: TCM Method SW3550C

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	0.17
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	0.17
Acenaphthylene	ND	0.17
Aniline	ND	0.065
Anthracene	ND	0.17
Benz(a)anthracene	ND	0.17
Benzo(a)pyrene	ND	0.17
Benzo(b)fluoranthene	ND	0.17
Benzo(k)fluoranthene	ND	0.17
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	0.17
Dibenz(a,h)anthracene	ND	0.17
Dibenzofuran	ND	0.17
Diethyl phthalate	ND	0.17
Dimethyl phthalate	ND	0.17
Di-n-octyl phthalate	ND	0.17
Fluoranthene	ND	0.17
Fluorene	ND	0.17
Hexachlorobenzene	ND	0.17
Hexachlorobutadiene	ND	0.17
Hexachlorocyclopentadiene	ND	0.33
Indeno(1,2,3-cd)pyrene	ND	0.17
Isophorone	ND	0.17

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-01B	SD-3514ACE-B4-0-3
09100272-02B	SD-3514ACE-B6-30-35
09100272-03B	SD-3514-ACE-B7-0-3
09100272-04B	SD-3514-ACE-B8-0-3
09100272-05B	SD-3514ACE-B8-0-3A
09100272-06B	SD-3514ACE-B9-0-3

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: RECAP Semivolatile Organics by EPA 8270D **WorkOrder:** 09100272
Method: SW8270D **Lab Batch ID:** 83800

Method Blank

RunID: D_091009A-3290126 Units: mg/Kg
Analysis Date: 10/09/2009 11:21 Analyst: KTK
Preparation Date: 10/08/2009 8:51 Prep By: TCM Method SW3550C

Analyte	Result	Rep Limit
Naphthalene	ND	0.17
Nitrobenzene	ND	0.17
N-Nitrosodi-n-propylamine	ND	0.17
N-Nitrosodiphenylamine	ND	0.17
Pentachlorophenol	ND	0.66
Phenanthrene	ND	0.17
Phenol	ND	0.17
Pyrene	ND	0.17
Surr: 2,4,6-Tribromophenol	93.0	10-170
Surr: 2-Fluorobiphenyl	86.2	35-116
Surr: 2-Fluorophenol	89.8	16-139
Surr: 4-Terphenyl-d14	84.1	30-145
Surr: Nitrobenzene-d5	80.8	10-152
Surr: Phenol-d5	89.0	17-151

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

RunID: D_091009A-3290127 Units: mg/Kg
Analysis Date: 10/09/2009 11:46 Analyst: KTK
Preparation Date: 10/08/2009 8:51 Prep By: TCM Method SW3550C

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	1.32	79.4	1.67	1.54	92.6	15.4	40	31	165
1,2,4,5-Tetrachlorobenzene	1.67	1.38	82.7	1.67	1.51	90.9	9.4	30	59	121
1,2,4-Trichlorobenzene	1.67	1.24	74.7	1.67	1.38	82.6	10.1	27	31	135
1,3-Dinitrobenzene	1.67	1.39	83.3	1.67	1.59	95.3	13.4	27	70	115
2,3,4,6-Tetrachlorophenol	1.67	1.38	82.9	1.67	1.39	83.2	0.3	27	55	116
2,4,5-Trichlorophenol	1.67	1.36	81.7	1.67	1.47	88.3	7.8	26	65	114
2,4,6-Trichlorophenol	1.67	1.39	83.4	1.67	1.44	86.2	3.3	23	69	107
2,4-Dichlorophenol	1.67	1.24	74.6	1.67	1.50	90.0	18.7	20	57	128
2,4-Dimethylphenol	1.67	1.36	81.4	1.67	1.41	84.4	3.6	21	46	120
2,4-Dinitrophenol	1.67	2.00	120	1.67	2.13	128 *	6.3	45	28	126
2,4-Dinitrotoluene	1.67	1.56	93.3	1.67	1.47	88.1	5.7	30	69	119
2,6-Dinitrotoluene	1.67	1.52	91.5	1.67	1.56	93.3	2.0	25	66	117
2-Chloronaphthalene	1.67	1.32	79.2	1.67	1.42	85.4	7.5	25	60	126
2-Chlorophenol	1.67	1.26	75.7	1.67	1.43	85.6	12.2	22	58	108

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ND/U - Not Detected at the Reporting Limit
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **RECAP Semivolatile Organics by EPA 8270D** **WorkOrder:** **09100272**
Method: **SW8270D** **Lab Batch ID:** **83800**

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

RunID: D_091009A-3290127 Units: mg/Kg
Analysis Date: 10/09/2009 11:46 Analyst: KTK
Preparation Date: 10/08/2009 8:51 Prep By: TCM Method SW3550C

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	1.57	94.1	1.67	1.85	111	16.5	28	52	135
2-Nitroaniline	1.67	1.38	82.5	1.67	1.58	95.1	14.2	22	66	118
3,3´-Dichlorobenzidine	1.67	1.42	85.5	1.67	1.72	103	18.8	47	24	200
3-Nitroaniline	1.67	1.42	85.3	1.67	1.64	98.6	14.5	29	27	200
4-Chloroaniline	1.67	1.27	76.1	1.67	1.40	84.1	10.0	32	60	111
4-Nitroaniline	1.67	1.44	86.2	1.67	1.57	94.4	9.1	33	32	200
4-Nitrophenol	1.67	1.28	76.6	1.67	1.44	86.5	12.2	46	58	123
Acenaphthene	1.67	1.36	81.5	1.67	1.58	94.7	15.0	23	55	132
Acenaphthylene	1.67	1.39	83.3	1.67	1.54	92.5	10.5	24	53	137
Aniline	1.67	1.13	68.0	1.67	1.23	73.7	8.0	45	63	109
Anthracene	1.67	1.41	84.4	1.67	1.63	97.8	14.7	23	59	126
Benz(a)anthracene	1.67	1.18	70.8	1.67	1.41	84.7	17.9	26	57	129
Benzo(a)pyrene	1.67	1.47	88.4	1.67	1.72	103	15.5	21	61	127
Benzo(b)fluoranthene	1.67	1.48	89.0	1.67	1.73	104	15.4	26	58	117
Benzo(k)fluoranthene	1.67	1.33	79.6	1.67	1.53	91.8	14.2	26	56	139
Bis(2-chloroethyl)ether	1.67	1.37	82.1	1.67	1.75	105	24.7	30	52	111
Bis(2-chloroisopropyl)ether	1.67	1.25	75.1	1.67	1.43	86.0	13.5	33	55	108
Bis(2-ethylhexyl)phthalate	1.67	1.49	89.4	1.67	1.81	108	19.3	37	55	134
Butyl benzyl phthalate	1.67	1.43	85.7	1.67	1.71	103	18.0	35	58	131
Chrysene	1.67	1.21	72.3	1.67	1.44	86.5	17.8	21	58	113
Dibenz(a,h)anthracene	1.67	1.36	81.3	1.67	1.60	95.8	16.3	27	47	132
Dibenzofuran	1.67	1.12	67.3	1.67	1.27	76.1	12.3	21	60	129
Diethyl phthalate	1.67	1.27	76.1	1.67	1.38	82.6	8.2	34	58	137
Dimethyl phthalate	1.67	1.13	67.5	1.67	1.27	76.2	12.1	36	60	129
Di-n-octyl phthalate	1.67	1.42	85.4	1.67	1.68	101	16.7	36	58	129
Fluoranthene	1.67	1.32	79.4	1.67	1.38	82.7	4.1	36	59	127
Fluorene	1.67	1.56	93.4	1.67	1.61	96.5	3.3	25	59	135
Hexachlorobenzene	1.67	1.27	76.0	1.67	1.31	78.5	3.2	33	60	127
Hexachlorobutadiene	1.67	1.17	70.2	1.67	1.32	79.5	12.3	33	56	121
Hexachlorocyclopentadiene	1.67	1.33	80.0	1.67	1.50	90.0	11.8	49	54	106
Indeno(1,2,3-cd)pyrene	1.67	1.48	88.5	1.67	1.72	103	15.3	41	38	131
Isophorone	1.67	1.13	67.6	1.67	1.30	77.7	13.9	28	57	107
Naphthalene	1.67	1.31	78.7	1.67	1.64	98.3	22.1	24	59	127

Qualifiers:
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: RECAP Semivolatile Organics by EPA 8270D **WorkOrder:** 09100272
Method: SW8270D **Lab Batch ID:** 83800

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

RunID: D_091009A-3290127 Units: mg/Kg
Analysis Date: 10/09/2009 11:46 Analyst: KTK
Preparation Date: 10/08/2009 8:51 Prep By: TCM Method SW3550C

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	1.13	67.9	1.67	1.34	80.2	16.5	25	61	124
N-Nitrosodi-n-propylamine	1.67	1.22	72.9	1.67	1.33	80.1	9.4	43	59	121
N-Nitrosodiphenylamine	1.67	1.17	70.2	1.67	1.30	78.0	10.5	27	59	131
Pentachlorophenol	1.67	1.53	91.6	1.67	1.59	95.1	3.8	36	55	115
Phenanthrene	1.67	1.32	79.0	1.67	1.36	81.9	3.5	23	56	130
Phenol	1.67	1.04	62.2	1.67	1.14	68.5	9.7	31	54	122
Pyrene	1.67	1.20	72.2	1.67	1.40	84.2	15.4	32	55	137
Surr: 2,4,6-Tribromophenol	2500	2430	97.0	2500	2590	104	6.6	30	10	170
Surr: 2-Fluorobiphenyl	1670	1310	78.4	1670	1380	83.0	5.7	30	35	116
Surr: 2-Fluorophenol	2500	2010	80.2	2500	2150	86.0	7.0	30	16	139
Surr: 4-Terphenyl-d14	1670	1330	80.0	1670	1510	90.4	12.2	30	30	145
Surr: Nitrobenzene-d5	1670	1280	76.9	1670	1340	80.3	4.4	30	10	152
Surr: Phenol-d5	2500	2120	84.8	2500	2320	92.8	9.0	30	17	151

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

Sample Spiked: 09100272-01
RunID: D_091009A-3290130 Units: mg/Kg
Analysis Date: 10/09/2009 13:00 Analyst: KTK
Preparation Date: 10/08/2009 8:51 Prep By: TCM Method SW3550C

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	1.06	63.7	1.67	1.43	85.5	29.2	40	31	165
1,2,4,5-Tetrachlorobenzene	ND	1.67	1.22	73.2	1.67	1.34	80.6	9.59	30	59	121
1,2,4-Trichlorobenzene	ND	1.67	1.07	64.4	1.67	1.20	71.8	10.9	27	31	135
1,3-Dinitrobenzene	ND	1.67	1.18	71.0	1.67	1.57	94.0	27.8 *	27	70	115
2,3,4,6-Tetrachlorophenol	ND	1.67	1.35	80.8	1.67	1.50	89.9	10.7	27	55	116
2,4,5-Trichlorophenol	ND	1.67	1.23	73.6	1.67	1.27	76.2	3.56	26	65	114
2,4,6-Trichlorophenol	ND	1.67	1.24	74.3	1.67	1.24	74.6	0.487	23	69	107
2,4-Dichlorophenol	ND	1.67	1.08	65.1	1.67	1.43	86.0	27.7 *	20	57	128

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: RECAP Semivolatile Organics by EPA 8270D **WorkOrder:** 09100272
Method: SW8270D **Lab Batch ID:** 83800

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

Sample Spiked: 09100272-01
RunID: D_091009A-3290130 Units: mg/Kg
Analysis Date: 10/09/2009 13:00 Analyst: KTK
Preparation Date: 10/08/2009 8:51 Prep By: TCM Method SW3550C

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	1.22	73.5	1.67	1.31	78.6	6.80	21	46	120
2,4-Dinitrophenol	ND	1.67	1.28	76.9	1.67	1.56	93.4	19.3	45	28	126
2,4-Dinitrotoluene	ND	1.67	1.45	87.0	1.67	1.54	92.6	6.23	30	69	119
2,6-Dinitrotoluene	ND	1.67	1.37	82.0	1.67	1.31	78.4	4.42	25	66	117
2-Chloronaphthalene	ND	1.67	1.21	72.8	1.67	1.19	71.1	2.35	25	60	126
2-Chlorophenol	ND	1.67	1.12	67.1	1.67	1.29	77.4	14.3	22	58	108
2-Methylnaphthalene	ND	1.67	1.35	80.8	1.67	1.33	79.7	1.33	28	52	135
2-Nitroaniline	ND	1.67	1.13	67.7	1.67	1.57	94.3	32.8 *	22	66	118
3,3´-Dichlorobenzidine	ND	1.67	1.34	80.5	1.67	1.58	94.6	16.1	47	24	200
3-Nitroaniline	ND	1.67	1.15	68.8	1.67	1.55	93.0	29.9 *	29	27	200
4-Chloroaniline	ND	1.67	1.16	69.4	1.67	1.20	72.1	3.80	32	60	111
4-Nitroaniline	ND	1.67	1.12	67.2	1.67	1.30	78.1	15.0	33	32	200
4-Nitrophenol	ND	1.67	1.28	76.7	1.67	1.33	80.1	4.29	46	58	123
Acenaphthene	ND	1.67	1.12	67.1	1.67	1.48	88.8	27.8 *	24	55	132
Acenaphthylene	ND	1.67	1.18	70.6	1.67	1.39	83.1	16.2	24	53	137
Aniline	ND	1.67	1.07	64.0	1.67	1.15	69.3	7.97	45	63	109
Anthracene	ND	1.67	1.28	76.5	1.67	1.43	85.8	11.4	23	59	126
Benz(a)anthracene	ND	1.67	1.10	65.3	1.67	1.29	77.0	16.3	26	57	129
Benzo(a)pyrene	ND	1.67	1.33	79.2	1.67	1.58	94.2	17.2	21	61	127
Benzo(b)fluoranthene	ND	1.67	1.28	76.0	1.67	1.58	93.9	20.9	26	58	117
Benzo(k)fluoranthene	ND	1.67	1.24	73.9	1.67	1.48	88.1	17.5	26	56	139
Bis(2-chloroethyl)ether	ND	1.67	1.15	69.1	1.67	1.52	91.4	27.8	30	52	111
Bis(2-chloroisopropyl)ether	ND	1.67	1.10	65.9	1.67	1.30	78.3	17.1	33	55	108
Bis(2-ethylhexyl)phthalate	ND	1.67	1.34	80.7	1.67	1.63	97.8	19.2	37	55	134
Butyl benzyl phthalate	ND	1.67	1.32	79.0	1.67	1.56	93.4	16.7	35	58	131
Chrysene	ND	1.67	1.10	65.5	1.67	1.31	78.3	17.6	21	58	113
Dibenz(a,h)anthracene	ND	1.67	1.22	73.1	1.67	1.49	89.3	19.9	27	47	132
Dibenzofuran	ND	1.67	1.01	60.7	1.67	1.16	69.3	13.2	21	60	129
Diethyl phthalate	ND	1.67	1.27	76.4	1.67	1.38	83.1	8.36	34	58	137
Dimethyl phthalate	ND	1.67	0.997	59.8 *	1.67	1.34	80.5	29.5	36	60	129
Di-n-octyl phthalate	ND	1.67	1.32	79.2	1.67	1.59	95.2	18.3	36	58	129
Fluoranthene	ND	1.67	1.19	71.3	1.67	1.32	79.4	10.7	36	59	127

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B - Analyte Detected In The Associated Method Blank
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis:	**RECAP Semivolatile Organics by EPA 8270D**	**WorkOrder:**	**09100272**
Method:	**SW8270D**	**Lab Batch ID:**	**83800**

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

Sample Spiked:	09100272-01		
RunID:	D_091009A-3290130	Units:	mg/Kg
Analysis Date:	10/09/2009 13:00	Analyst:	KTK
Preparation Date:	10/08/2009 8:51	Prep By:	TCM Method SW3550C

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	1.18	70.5	1.67	1.41	84.0	17.5	25	59	135
Hexachlorobenzene	ND	1.67	1.04	62.3	1.67	1.30	78.1	22.5	33	60	127
Hexachlorobutadiene	ND	1.67	0.994	59.7	1.67	1.29	77.6	26.1	33	56	121
Hexachlorocyclopentadiene	ND	1.67	0.929	55.7	1.67	0.910	54.6	2.08	49	54	106
Indeno(1,2,3-cd)pyrene	ND	1.67	1.29	77.3	1.67	1.57	93.9	19.4	41	38	131
Isophorone	ND	1.67	0.947	56.8 *	1.67	1.17	70.1	21.0	28	57	107
Naphthalene	ND	1.67	1.13	67.7	1.67	1.50	89.8	28.1 *	24	59	127
Nitrobenzene	ND	1.67	1.02	61.5	1.67	1.20	72.0	15.7	25	61	124
N-Nitrosodi-n-propylamine	ND	1.67	1.10	66.1	1.67	1.29	77.5	16.0	43	59	121
N-Nitrosodiphenylamine	ND	1.67	1.19	71.3	1.67	1.37	82.4	14.5	27	59	131
Pentachlorophenol	ND	1.67	1.22	73.2	1.67	1.53	91.9	22.7	36	55	115
Phenanthrene	ND	1.67	1.15	68.6	1.67	1.35	80.8	16.1	23	56	130
Phenol	ND	1.67	1.01	60.8	1.67	1.05	63.3	4.00	31	54	122
Pyrene	ND	1.67	1.11	65.9	1.67	1.35	80.1	19.3	32	55	137
Surr: 2,4,6-Tribromophenol	ND	2500	1900	76.1	2500	2100	84.0	9.80	30	10	170
Surr: 2-Fluorobiphenyl	ND	1670	1070	64.4	1670	1470	88.2	31.1 *	30	35	116
Surr: 2-Fluorophenol	ND	2500	1740	69.6	2500	1980	79.3	12.9	30	16	139
Surr: 4-Terphenyl-d14	ND	1670	1170	70.4	1670	1310	78.6	11.0	30	30	145
Surr: Nitrobenzene-d5	ND	1670	1040	62.5	1670	1200	71.8	14.0	30	10	152
Surr: Phenol-d5	ND	2500	1740	69.6	2500	2070	82.9	17.4	30	17	151

Qualifiers:
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B - 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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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Semivolatile Organics by EPA 8270D** **WorkOrder:** **09100272**
Method: **SW8270D** **Lab Batch ID:** **83861**

Method Blank

RunID: A_091012B-3292472 Units: mg/L
Analysis Date: 10/12/2009 19:08 Analyst: JNS
Preparation Date: 10/09/2009 9:30 Prep By: DB Method SW3510C

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-11D	W-3514ACE-RB-B8-10-6-09

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.

3514ACE PROPOSED SEABROOK GATE

Analysis: Semivolatile Organics by EPA 8270D **WorkOrder:** 09100272
Method: SW8270D **Lab Batch ID:** 83861

Method Blank

RunID: A_091012B-3292472 Units: mg/L
Analysis Date: 10/12/2009 19:08 Analyst: JNS
Preparation Date: 10/09/2009 9:30 Prep By: DB 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	88.6	39-152
Surr: 2-Fluorobiphenyl	88.6	41-125
Surr: 2-Fluorophenol	54.7	10-114
Surr: 4-Terphenyl-d14	91.1	34-135
Surr: Nitrobenzene-d5	87.0	36-126
Surr: Phenol-d5	38.2	10-84.1

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

RunID: A_091012B-3292473 Units: mg/L
Analysis Date: 10/12/2009 19:28 Analyst: JNS
Preparation Date: 10/09/2009 9:30 Prep By: DB 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	0.0352	70.4	0.0500	0.0474	94.8	29.5	37	49	130
1,2,4,5-Tetrachlorobenzene	0.0500	0.0349	69.7	0.0500	0.0470	94.1	29.7	41	44	127
1,2,4-Trichlorobenzene	0.0500	0.0321	64.3	0.0500	0.0439	87.7	30.9	34	37	128
1,3-Dinitrobenzene	0.0500	0.0359	71.7	0.0500	0.0476	95.2	28.1 *	20	43	143
2,3,4,6-Tetrachlorophenol	0.0500	0.0357	71.4	0.0500	0.0464	92.8	26.1	30	41	134
2,4,5-Trichlorophenol	0.0500	0.0352	70.5	0.0500	0.0479	95.9	30.6	34	43	132
2,4,6-Trichlorophenol	0.0500	0.0361	72.1	0.0500	0.0486	97.1	29.6	37	44	124
2,4-Dichlorophenol	0.0500	0.0347	69.3	0.0500	0.0468	93.6	29.8 *	26	40	136
2,4-Dimethylphenol	0.0500	0.0317	63.5	0.0500	0.0434	86.8	31.1 *	21	35	128
2,4-Dinitrophenol	0.0500	0.0220	43.9	0.0500	0.0333	66.6	41.1 *	35	12	139
2,4-Dinitrotoluene	0.0500	0.0362	72.5	0.0500	0.0478	95.6	27.6 *	25	40	137
2,6-Dinitrotoluene	0.0500	0.0359	71.7	0.0500	0.0476	95.2	28.1 *	28	41	135
2-Chloronaphthalene	0.0500	0.0350	69.9	0.0500	0.0462	92.4	27.6 *	27	45	126
2-Chlorophenol	0.0500	0.0314	62.7	0.0500	0.0437	87.5	32.9 *	20	39	119

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Semivolatile Organics by EPA 8270D** **WorkOrder:** **09100272**
Method: **SW8270D** **Lab Batch ID:** **83861**

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

RunID: A_091012B-3292473 Units: mg/L
Analysis Date: 10/12/2009 19:28 Analyst: JNS
Preparation Date: 10/09/2009 9:30 Prep By: DB 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	0.0328	65.5	0.0500	0.0438	87.5	28.7	37	43	128
2-Nitroaniline	0.0500	0.0359	71.8	0.0500	0.0478	95.6	28.4 *	26	43	133
3,3´-Dichlorobenzidine	0.0500	0.0343	68.6	0.0500	0.0463	92.6	29.7	33	10	200
3-Nitroaniline	0.0500	0.0343	68.7	0.0500	0.0440	88.1	24.8 *	23	10	188
4-Chloroaniline	0.0500	0.0340	68.0	0.0500	0.0416	83.1	20.0	23	26	123
4-Nitroaniline	0.0500	0.0342	68.4	0.0500	0.0411	82.1	18.3	24	28	184
4-Nitrophenol	0.0500	0.0103	20.6	0.0500	0.0154	30.8	39.4	45	14	80
Acenaphthene	0.0500	0.0338	67.6	0.0500	0.0446	89.1	27.5	30	44	134
Acenaphthylene	0.0500	0.0352	70.5	0.0500	0.0459	91.8	26.3	27	40	134
Aniline	0.0500	0.0218	43.7	0.0500	0.0302	60.4	32.2 *	26	14	103
Anthracene	0.0500	0.0343	68.7	0.0500	0.0453	90.6	27.5	31	51	131
Benz(a)anthracene	0.0500	0.0332	66.4	0.0500	0.0440	88.1	28.0 *	23	41	133
Benzo(a)pyrene	0.0500	0.0361	72.1	0.0500	0.0496	99.1	31.5 *	18	49	126
Benzo(b)fluoranthene	0.0500	0.0362	72.5	0.0500	0.0444	88.7	20.2	32	42	127
Benzo(k)fluoranthene	0.0500	0.0336	67.1	0.0500	0.0470	93.9	33.3 *	21	41	146
Bis(2-chloroethyl)ether	0.0500	0.0348	69.7	0.0500	0.0478	95.5	31.3 *	19	48	111
Bis(2-chloroisopropyl)ether	0.0500	0.0344	68.7	0.0500	0.0461	92.2	29.2 *	20	47	116
Bis(2-ethylhexyl)phthalate	0.0500	0.0334	66.9	0.0500	0.0453	90.5	30.1 *	27	47	116
Butyl benzyl phthalate	0.0500	0.0366	73.1	0.0500	0.0501	100	31.2 *	28	43	138
Chrysene	0.0500	0.0330	66.1	0.0500	0.0449	89.8	30.4 *	24	47	130
Dibenz(a,h)anthracene	0.0500	0.0337	67.5	0.0500	0.0477	95.4	34.3	38	39	139
Dibenzofuran	0.0500	0.0342	68.5	0.0500	0.0452	90.3	27.5	29	41	137
Diethyl phthalate	0.0500	0.0336	67.1	0.0500	0.0439	87.8	26.7	28	41	144
Dimethyl phthalate	0.0500	0.0338	67.7	0.0500	0.0448	89.7	28.0 *	27	42	141
Di-n-octyl phthalate	0.0500	0.0384	76.8	0.0500	0.0508	102	27.9 *	26	44	141
Fluoranthene	0.0500	0.0332	66.5	0.0500	0.0434	86.7	26.5 *	25	48	134
Fluorene	0.0500	0.0343	68.6	0.0500	0.0446	89.2	26.1	29	43	139
Hexachlorobenzene	0.0500	0.0322	64.5	0.0500	0.0449	89.9	33.0 *	30	44	130
Hexachlorobutadiene	0.0500	0.0295	59.0	0.0500	0.0411	82.2	32.9	36	37	106
Hexachlorocyclopentadiene	0.0500	0.0295	58.9	0.0500	0.0406	81.2	31.8	38	26	107
Indeno(1,2,3-cd)pyrene	0.0500	0.0338	67.5	0.0500	0.0475	94.9	33.7 *	32	42	132
Isophorone	0.0500	0.0343	68.5	0.0500	0.0462	92.4	29.7 *	27	35	135
Naphthalene	0.0500	0.0328	65.6	0.0500	0.0446	89.2	30.4	36	41	129

Qualifiers:
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Semivolatile Organics by EPA 8270D** **WorkOrder:** **09100272**
Method: **SW8270D** **Lab Batch ID:** **83861**

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

RunID: A_091012B-3292473 Units: mg/L
Analysis Date: 10/12/2009 19:28 Analyst: JNS
Preparation Date: 10/09/2009 9:30 Prep By: DB 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	0.0349	69.8	0.0500	0.0477	95.5	31.1 *	24	40	133
N-Nitrosodi-n-propylamine	0.0500	0.0348	69.6	0.0500	0.0476	95.2	31.1 *	20	33	136
N-Nitrosodiphenylamine	0.0500	0.0352	70.5	0.0500	0.0486	97.2	31.8 *	29	48	137
Pentachlorophenol	0.0500	0.0318	63.7	0.0500	0.0424	84.7	28.4	40	38	124
Phenanthrene	0.0500	0.0337	67.3	0.0500	0.0448	89.5	28.3 *	25	45	135
Phenol	0.0500	0.0124	24.9	0.0500	0.0214	42.7	52.9 *	36	15	85
Pyrene	0.0500	0.0348	69.6	0.0500	0.0473	94.5	30.4	31	47	134
Surr: 2,4,6-Tribromophenol	75.0	60.8	81.0	75.0	70.1	93.5	14.3	30	36	150
Surr: 2-Fluorobiphenyl	50.0	39.3	78.7	50.0	46.9	93.7	17.4	30	41	125
Surr: 2-Fluorophenol	75.0	34.0	45.4	75.0	43.8	58.4	25.0	30	10	114
Surr: 4-Terphenyl-d14	50.0	41.4	82.8	50.0	49.0	98.0	16.8	30	34	135
Surr: Nitrobenzene-d5	50.0	40.4	80.9	50.0	48.0	95.9	17.0	30	36	126
Surr: Phenol-d5	75.0	22.5	30.0	75.0	29.4	39.2	26.5	30	10	84.1

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: TCLP Semivolatile Organics by EPA 8270D
Method: SW8270D
WorkOrder: 09100272
Lab Batch ID: 84257

Method Blank

RunID: F_091023A-3310502 Units: mg/L
Analysis Date: 10/23/2009 14:46 Analyst: KTK
Preparation Date: 10/22/2009 14:46 Prep By: DB Method SW3510B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-07A	WA-3514ACE-COMP2
09100272-08A	WA-3514ACE-COMP3

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	72.1	39-152
Surr: 2-Fluorobiphenyl	83.1	41-125
Surr: 2-Fluorophenol	42.9	10-114
Surr: 4-Terphenyl-d14	92.0	34-135
Surr: Nitrobenzene-d5	58.2	36-126
Surr: Phenol-d5	33.1	10-84.1

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

RunID: F_091023A-3310503 Units: mg/L
Analysis Date: 10/23/2009 15:06 Analyst: KTK
Preparation Date: 10/22/2009 14:46 Prep By: DB 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	0.417	83.3	0.500	0.472	94.5	12.6	27	44	106
2,4,5-Trichlorophenol	0.500	0.429	85.8	0.500	0.437	87.3	1.8	34	43	132
2,4,6-Trichlorophenol	0.500	0.476	95.2	0.500	0.489	97.8	2.7	37	44	124
2,4-Dinitrotoluene	0.500	0.381	76.1	0.500	0.449	89.8	16.4	25	40	137
Hexachlorobenzene	0.500	0.399	79.9	0.500	0.466	93.2	15.4	30	44	130
Hexachlorobutadiene	0.500	0.393	78.5	0.500	0.453	90.6	14.3	36	37	106
Hexachloroethane	0.500	0.401	80.2	0.500	0.463	92.6	14.4	33	35	105
Nitrobenzene	0.500	0.403	80.5	0.500	0.465	93.0	14.4	24	40	133
Pentachlorophenol	0.500	0.440	87.9	0.500	0.461	92.2	4.8	40	38	124
Pyridine	0.500	0.166	33.2	0.500	0.190	38.0	13.2	44	10	56
m,p-Cresols	0.500	0.463	92.5	0.500	0.481	96.2	3.9	23	26	120

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: TCLP Semivolatile Organics by EPA 8270D **WorkOrder:** 09100272
Method: SW8270D **Lab Batch ID:** 84257

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

RunID: F_091023A-3310503 Units: mg/L
Analysis Date: 10/23/2009 15:06 Analyst: KTK
Preparation Date: 10/22/2009 14:46 Prep By: DB 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	0.484	96.7	0.500	0.526	105	8.4	22	19	129
Surr: 2,4,6-Tribromophenol	750	659	87.8	750	670	89.4	1.7	30	36	150
Surr: 2-Fluorobiphenyl	500	422	84.5	500	474	94.9	11.6	30	41	125
Surr: 2-Fluorophenol	750	390	51.9	750	393	52.4	0.9	30	10	114
Surr: 4-Terphenyl-d14	500	474	94.8	500	539	108	12.8	30	34	135
Surr: Nitrobenzene-d5	500	317	63.4	500	369	73.8	15.2	30	36	126
Surr: Phenol-d5	750	304	40.5	750	312	41.6	2.7	30	10	84.1

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

Sample Spiked: 09100712-01
RunID: F_091023A-3310510 Units: mg/L
Analysis Date: 10/23/2009 17:46 Analyst: KTK
Preparation Date: 10/22/2009 14:46 Prep By: DB 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
1,4-Dichlorobenzene	ND	0.5	0.416	83.2	0.5	0.444	88.9	6.59	27	44	106
2,4,5-Trichlorophenol	ND	0.5	0.434	86.8	0.5	0.370	74.0	15.9	34	43	132
2,4,6-Trichlorophenol	ND	0.5	0.500	100	0.5	0.423	84.6	16.8	37	44	124
2,4-Dinitrotoluene	ND	0.5	0.395	78.9	0.5	0.421	84.2	6.44	25	40	137
Hexachlorobenzene	ND	0.5	0.416	83.2	0.5	0.442	88.4	6.09	30	44	130
Hexachlorobutadiene	ND	0.5	0.392	78.3	0.5	0.420	84.0	6.98	36	37	106
Hexachloroethane	ND	0.5	0.407	81.3	0.5	0.438	87.6	7.47	33	35	105
Nitrobenzene	ND	0.5	0.415	83.0	0.5	0.437	87.4	5.13	24	40	133
Pentachlorophenol	ND	0.5	0.473	94.6	0.5	0.392	78.4	18.7	40	38	124
Pyridine	ND	0.5	0.235	47.1	0.5	0.234	46.8	0.607	44	10	56
m,p-Cresols	ND	0.5	0.478	95.6	0.5	0.495	99.0	3.45	23	26	120
o-Cresol	ND	0.5	0.513	103	0.5	0.538	108	4.64	22	19	129
Surr: 2,4,6-Tribromophenol	ND	750	687	91.5	750	588	78.3	15.5	30	36	150
Surr: 2-Fluorobiphenyl	ND	500	421	84.1	500	452	90.3	7.07	30	41	125

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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.

3514ACE PROPOSED SEABROOK GATE

Analysis:	**TCLP Semivolatile Organics by EPA 8270D**	**WorkOrder:**	**09100272**
Method:	**SW8270D**	**Lab Batch ID:**	**84257**

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

Sample Spiked:	09100712-01		
RunID:	F_091023A-3310510	Units:	mg/L
Analysis Date:	10/23/2009 17:46	Analyst:	KTK
Preparation Date:	10/22/2009 14:46	Prep By:	DB 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
Surr: 2-Fluorophenol	ND	750	404	53.8	750	349	46.5	14.7	30	10	114
Surr: 4-Terphenyl-d14	ND	500	481	96.1	500	504	101	4.76	30	34	135
Surr: Nitrobenzene-d5	ND	500	329	65.9	500	349	69.9	5.89	30	36	126
Surr: Phenol-d5	ND	750	318	42.5	750	308	41.1	3.27	30	10	84.1

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: TCLP Volatile Organics
Method: SW8260B

WorkOrder: 09100272
Lab Batch ID: 84210

Method Blank

RunID: HA_091022C-3308978 Units: ug/L
Analysis Date: 10/22/2009 22:45 Analyst: MCB

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-07A	WA-3514ACE-COMP2
09100272-08A	WA-3514ACE-COMP3

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	99.7	75-120
Surr: 4-Bromofluorobenzene	97.2	89-109
Surr: Toluene-d8	98.7	89-110

Leachate Blank

RunID: HA_091022C-3308979 Units: mg/L
Analysis Date: 10/23/2009 3:29 Analyst: MCB

Analyte	Result	Rep Limit
1,1-Dichloroethene	ND	0.0050
1,2-Dichloroethane	ND	0.0050
2-Butanone	ND	0.010
Benzene	ND	0.0050
Carbon tetrachloride	ND	0.0050
Chlorobenzene	ND	0.0050
Chloroform	ND	0.0050
Tetrachloroethene	ND	0.0050
Trichloroethene	ND	0.0050
Vinyl chloride	ND	0.0050
Surr: 1,2-Dichloroethane-d4	99.1	71-116
Surr: 4-Bromofluorobenzene	97.5	86-109
Surr: Toluene-d8	99.8	90-109

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

RunID: HA_091022C-3308980 Units: mg/L
Analysis Date: 10/23/2009 3:55 Analyst: MCB

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - 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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TNTC - Too numerous to count

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **TCLP Volatile Organics** **WorkOrder:** **09100272**
Method: **SW8260B** **Lab Batch ID:** **84210**

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	0.178	88.9	0.200	0.178	88.9	0.1	16	76	118
1,2-Dichloroethane	0.200	0.186	93.2	0.200	0.192	96.0	2.9	15	78	118
2-Butanone	0.500	0.471	94.3	0.500	0.478	95.6	1.4	28	41	139
Benzene	0.200	0.179	89.7	0.200	0.189	94.7	5.4	13	81	119
Carbon tetrachloride	0.200	0.156	78.1	0.200	0.171	85.5	9.1	14	57	124
Chlorobenzene	0.200	0.175	87.6	0.200	0.182	91.1	3.8	10	85	111
Chloroform	0.200	0.180	90.1	0.200	0.189	94.6	5.0	15	73	122
Tetrachloroethene	0.200	0.178	89.0	0.200	0.192	95.8	7.3	13	73	124
Trichloroethene	0.200	0.180	90.1	0.200	0.184	91.9	1.9	15	78	119
Vinyl chloride	0.200	0.187	93.6	0.200	0.194	97.0	3.5	22	64	124
Surr: 1,2-Dichloroethane-d4	500	490	98.0	500	492	98.4	0.4	30	71	116
Surr: 4-Bromofluorobenzene	500	497	99.4	500	497	99.4	0.0	30	86	109
Surr: Toluene-d8	500	500	100	500	512	102	2.4	30	90	109

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

Sample Spiked: 09100272-07
RunID: HA_091022C-3308986 Units: mg/L
Analysis Date: 10/23/2009 6:29 Analyst: MCB

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	0.166	82.9	0.2	0.176	88.0	6.04	16	76	118
1,2-Dichloroethane	ND	0.2	0.178	88.8	0.2	0.193	96.5	8.28	15	78	118
2-Butanone	ND	0.5	0.418	83.6	0.5	0.488	97.6	15.4	28	41	139
Benzene	ND	0.2	0.167	83.5	0.2	0.182	91.2	8.79	13	81	119
Carbon tetrachloride	ND	0.2	0.157	78.4	0.2	0.168	84.2	7.02	14	57	124
Chlorobenzene	ND	0.2	0.165	82.7 *	0.2	0.176	88.2	6.46	10	85	111
Chloroform	ND	0.2	0.178	89.0	0.2	0.187	93.4	4.82	15	73	122
Tetrachloroethene	ND	0.2	0.163	81.6	0.2	0.173	86.4	5.69	13	73	124
Trichloroethene	ND	0.2	0.167	83.7	0.2	0.183	91.3	8.67	15	78	119
Vinyl chloride	ND	0.2	0.176	88.1	0.2	0.182	91.1	3.29	22	64	124
Surr: 1,2-Dichloroethane-d4	ND	500	495	99.0	500	502	100	1.44	30	71	116
Surr: 4-Bromofluorobenzene	ND	500	496	99.2	500	486	97.2	2.02	30	86	109
Surr: Toluene-d8	ND	500	489	97.9	500	492	98.5	0.622	30	90	109

Qualifiers:
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09100272**
Method: **SW8260B** **Lab Batch ID:** **R217625**

Method Blank

RunID: QA_091008A-3288691 Units: ug/L
Analysis Date: 10/08/2009 11:23 Analyst: DN

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-09A	W-3514ACE-TB-10-6-09
09100272-10A	W-3514ACE-FB-10-6-09
09100272-11A	W-3514ACE-RB-B8-10-6-09

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

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: Volatile Organics-RECAP Method 8260B **WorkOrder:** 09100272
Method: SW8260B **Lab Batch ID:** R217625

Method Blank

RunID: QA_091008A-3288691 Units: ug/L
Analysis Date: 10/08/2009 11:23 Analyst: DN

Analyte	Result	Rep Limit
Surr: 1,2-Dichloroethane-d4	102.4	75-120
Surr: 4-Bromofluorobenzene	94.9	89-109
Surr: Toluene-d8	101.6	89-110

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

RunID: QA_091008A-3288689 Units: ug/L
Analysis Date: 10/08/2009 9:54 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	49.7	99.4	50.0	51.7	103	4.0	21	83	124
1,1,1-Trichloroethane	50.0	50.2	100	50.0	53.9	108	7.1	26	79	127
1,1,2,2-Tetrachloroethane	50.0	48.4	96.7	50.0	50.1	100	3.4	26	73	128
1,1,2-Trichloroethane	50.0	53.7	107	50.0	54.7	109	1.9	20	84	121
1,1-Dichloroethane	50.0	49.4	98.8	50.0	53.9	108	8.7	23	79	125
1,1-Dichloroethene	50.0	47.9	95.9	50.0	52.1	104	8.4	23	84	123
1,2-Dibromo-3-chloropropane	50.0	51.3	103	50.0	53.2	106	3.6	35	54	131
1,2-Dichlorobenzene	50.0	48.2	96.3	50.0	50.0	100	3.8	21	84	116
1,2-Dichloroethane	50.0	50.3	101	50.0	52.9	106	4.9	21	80	124
1,2-Dichloropropane	50.0	51.2	102	50.0	55.8	112	8.6	27	82	121
1,3-Dichlorobenzene	50.0	49.8	99.6	50.0	53.3	107	6.9	18	84	116
1,4-Dichlorobenzene	50.0	50.2	100	50.0	53.7	107	6.6	21	84	115
2-Butanone	125	116	93.0	125	128	102	9.6	50	45	144
4-Methyl-2-pentanone	125	129	104	125	141	113	8.3	30	63	134
Acetone	125	116	93.1	125	131	105	12.0	58	11	192
Benzene	50.0	52.3	105	50.0	55.8	112	6.4	23	88	117
Bromodichloromethane	50.0	51.6	103	50.0	54.5	109	5.5	21	82	125
Bromoform	50.0	47.0	94.0	50.0	49.9	99.8	6.0	27	60	126
Bromomethane	50.0	48.7	97.4	50.0	54.6	109	11.5	28	56	153
Carbon disulfide	50.0	52.3	105	50.0	56.0	112	6.9	23	70	130
Carbon tetrachloride	50.0	50.4	101	50.0	53.5	107	6.0	35	77	123
Chlorobenzene	50.0	49.2	98.3	50.0	52.3	105	6.1	19	87	119

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09100272**
Method: **SW8260B** **Lab Batch ID:** **R217625**

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

RunID: QA_091008A-3288689 Units: ug/L
Analysis Date: 10/08/2009 9:54 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
Chloroethane	50.0	47.7	95.5	50.0	51.0	102	6.6	26	69	134
Chloroform	50.0	50.3	101	50.0	54.7	109	8.3	42	79	123
Chloromethane	50.0	53.5	107	50.0	58.0	116	8.0	28	62	137
cis-1,3-Dichloropropene	50.0	51.9	104	50.0	54.4	109	4.8	20	79	126
Dibromochloromethane	50.0	48.5	97.1	50.0	51.6	103	6.2	20	74	122
Ethylbenzene	50.0	48.8	97.6	50.0	52.0	104	6.4	16	90	114
Hexachloroethane	50.0	47.6	95.1	50.0	50.7	101	6.5	27	62	121
Isobutyl alcohol	500	520	104	500	629	126	18.9	50	34	156
Methyl tert-butyl ether	50.0	51.4	103	50.0	56.0	112	8.5	23	80	124
Methylene chloride	50.0	54.2	108	50.0	59.3	119	9.0	22	77	124
Styrene	50.0	50.4	101	50.0	51.9	104	2.9	19	87	119
Tetrachloroethene	50.0	48.6	97.2	50.0	50.2	100	3.2	20	81	125
Toluene	50.0	47.8	95.7	50.0	50.5	101	5.3	21	84	118
trans-1,3-Dichloropropene	50.0	51.1	102	50.0	52.5	105	2.7	20	79	128
Trichloroethene	50.0	49.7	99.3	50.0	53.3	107	7.1	20	84	124
Trichlorofluoromethane	50.0	48.7	97.5	50.0	53.9	108	10.1	25	78	132
Vinyl chloride	50.0	47.4	94.9	50.0	51.1	102	7.4	20	71	130
cis-1,2-Dichloroethene	50.0	48.9	97.9	50.0	51.8	104	5.7	28	81	123
m,p-Xylene	100	99.0	99.0	100	106	106	7.3	20	86	114
o-Xylene	50.0	47.9	95.8	50.0	50.5	101	5.4	17	87	117
trans-1,2-Dichloroethene	50.0	48.8	97.6	50.0	52.2	104	6.8	22	80	123
1,2-Dichloroethene (total)	100	97.7	97.7	100	104	104	6.3	28	82	122
1,3-Dichloropropene,Total	100	103	103	100	107	107	3.8	20	79	128
Xylenes,Total	150.0	146.9	97.91	150.0	156.5	104.7	6.7	20	86	117
Surr: 1,2-Dichloroethane-d4	50.0	50.4	101	50.0	50.6	101	0.3	30	75	120
Surr: 4-Bromofluorobenzene	50.0	48.8	97.7	50.0	48.8	97.6	0.0	30	89	109
Surr: Toluene-d8	50.0	50.8	102	50.0	49.9	99.9	1.7	30	89	110

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - 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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LAFAYETTE LABORATORY
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: Volatile Organics-RECAP Method 8260B
Method: SW8260B
WorkOrder: 09100272
Lab Batch ID: R217632

Method Blank

RunID: HB_091008A-3288784 Units: mg/Kg
Analysis Date: 10/08/2009 13:14 Analyst: TDD
Preparation Date: 10/08/2009 13:14 Prep By: Method SW5035

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-01A	SD-3514ACE-B4-0-3
09100272-02A	SD-3514ACE-B6-30-35
09100272-03A	SD-3514-ACE-B7-0-3
09100272-05A	SD-3514ACE-B8-0-3A

Analyte	Result	Rep Limit
1,1,1,2-Tetrachloroethane	ND	0.0050
1,1,1-Trichloroethane	ND	0.0050
1,1,2,2-Tetrachloroethane	ND	0.0020
1,1,2-Trichloroethane	ND	0.0050
1,1-Dichloroethane	ND	0.0050
1,1-Dichloroethene	ND	0.0050
1,2-Dibromo-3-chloropropane	ND	0.0030
1,2-Dichlorobenzene	ND	0.0050
1,2-Dichloroethane	ND	0.0050
1,2-Dichloropropane	ND	0.0050
1,3-Dichlorobenzene	ND	0.0050
1,4-Dichlorobenzene	ND	0.0050
2-Butanone	ND	0.020
4-Methyl-2-pentanone	ND	0.010
Acetone	ND	0.10
Benzene	ND	0.0050
Bromodichloromethane	ND	0.0050
Bromoform	ND	0.0050
Bromomethane	ND	0.010
Carbon disulfide	ND	0.0050
Carbon tetrachloride	ND	0.0050
Chlorobenzene	ND	0.0050
Chloroethane	ND	0.0050
Chloroform	ND	0.0050
Chloromethane	ND	0.010
cis-1,3-Dichloropropene	ND	0.0050
Dibromochloromethane	ND	0.0050
Ethylbenzene	ND	0.0050
Hexachloroethane	ND	0.0050
Isobutyl alcohol	ND	0.10
Methyl tert-butyl ether	ND	0.0050
Methylene chloride	ND	0.010
Styrene	ND	0.0050
Tetrachloroethene	ND	0.0050
Toluene	ND	0.0050
trans-1,3-Dichloropropene	ND	0.0050
Trichloroethene	ND	0.0050
Trichlorofluoromethane	ND	0.0050
Vinyl chloride	ND	0.0050
cis-1,2-Dichloroethene	ND	0.0050
m,p-Xylene	ND	0.0050
o-Xylene	ND	0.0050
trans-1,2-Dichloroethene	ND	0.0050
1,2-Dichloroethene (total)	ND	0.0050
1,3-Dichloropropene,Total	ND	0.0050
Xylenes,Total	ND	0.0050

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: Volatile Organics-RECAP Method 8260B **WorkOrder:** 09100272
Method: SW8260B **Lab Batch ID:** R217632

Method Blank

RunID: HB_091008A-3288784 Units: mg/Kg
Analysis Date: 10/08/2009 13:14 Analyst: TDD
Preparation Date: 10/08/2009 13:14 Prep By: Method SW5035

Analyte	Result	Rep Limit
Surr: 1,2-Dichloroethane-d4	100.8	50-166
Surr: 4-Bromofluorobenzene	92.2	79-123
Surr: Toluene-d8	90.3	62-146

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

RunID: HB_091008A-3288782 Units: ug/Kg
Analysis Date: 10/08/2009 10:25 Analyst: TDD
Preparation Date: 10/08/2009 10:25 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	49.3	98.5	50.0	51.8	104	5.1	30	83	125
1,1,1-Trichloroethane	50.0	47.2	94.4	50.0	48.4	96.9	2.5	30	72	127
1,1,2,2-Tetrachloroethane	50.0	44.0	88.0	50.0	47.6	95.1	7.8	30	85	120
1,1,2-Trichloroethane	50.0	46.0	91.9	50.0	47.4	94.8	3.0	30	86	120
1,1-Dichloroethane	50.0	44.2	88.3	50.0	46.7	93.5	5.7	30	77	125
1,1-Dichloroethene	50.0	48.2	96.4	50.0	49.9	99.8	3.5	25	77	126
1,2-Dibromo-3-chloropropane	50.0	48.9	97.9	50.0	53.4	107	8.8	30	80	129
1,2-Dichlorobenzene	50.0	46.3	92.6	50.0	48.6	97.2	4.9	30	84	119
1,2-Dichloroethane	50.0	47.6	95.1	50.0	51.5	103	8.0	30	81	121
1,2-Dichloropropane	50.0	46.7	93.4	50.0	50.7	101	8.2	30	77	120
1,3-Dichlorobenzene	50.0	46.2	92.4	50.0	49.2	98.4	6.3	30	80	122
1,4-Dichlorobenzene	50.0	49.8	99.6	50.0	52.9	106	6.1	30	83	123
2-Butanone	125	108	86.3	125	119	95.5	10.1	30	71	124
4-Methyl-2-pentanone	125	105	84.1	125	112	89.9	6.7	30	76	132
Acetone	125	108	86.5	125	114	91.5	5.7	30	64	129
Benzene	50.0	48.8	97.7	50.0	52.8	106	7.7	21	77	123
Bromodichloromethane	50.0	47.4	94.9	50.0	50.4	101	6.0	30	81	124
Bromoform	50.0	50.2	100	50.0	54.5	109	8.2	30	77	128
Bromomethane	50.0	46.7	93.4	50.0	49.4	98.8	5.6	30	42	148
Carbon disulfide	50.0	50.5	101	50.0	52.6	105	4.1	30	69	132
Carbon tetrachloride	50.0	49.3	98.7	50.0	51.0	102	3.3	30	67	131
Chlorobenzene	50.0	46.3	92.6	50.0	48.7	97.4	5.1	20	82	119

Qualifiers:
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B - Analyte Detected In The Associated Method Blank
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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09100272**
Method: **SW8260B** **Lab Batch ID:** **R217632**

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

RunID: HB_091008A-3288782 Units: ug/Kg
Analysis Date: 10/08/2009 10:25 Analyst: TDD
Preparation Date: 10/08/2009 10:25 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	44.0	88.1	50.0	45.3	90.7	2.9	30	54	144
Chloroform	50.0	46.3	92.6	50.0	48.5	97.0	4.7	30	76	122
Chloromethane	50.0	40.2	80.3	50.0	40.7	81.4	1.4	30	55	129
cis-1,3-Dichloropropene	50.0	43.5	86.9	50.0	46.7	93.3	7.1	30	85	121
Dibromochloromethane	50.0	49.4	98.9	50.0	53.4	107	7.6	30	80	128
Ethylbenzene	50.0	50.5	101	50.0	52.9	106	4.7	30	77	121
Hexachloroethane	50.0	48.3	96.7	50.0	51.2	102	5.8	30	71	130
Isobutyl alcohol	500	390	78.0	500	430	86.0	9.7	30	53	132
Methyl tert-butyl ether	50.0	46.1	92.2	50.0	48.9	97.7	5.9	30	79	128
Methylene chloride	50.0	60.2	120	50.0	61.6	123	2.4	30	59	154
Styrene	50.0	47.4	94.9	50.0	49.7	99.3	4.6	30	74	125
Tetrachloroethene	50.0	47.5	95.1	50.0	48.5	97.1	2.1	30	78	127
Toluene	50.0	48.0	95.9	50.0	51.4	103	6.9	20	79	120
trans-1,3-Dichloropropene	50.0	51.5	103	50.0	53.8	108	4.3	30	84	126
Trichloroethene	50.0	47.9	95.8	50.0	51.3	103	6.8	23	79	125
Trichlorofluoromethane	50.0	57.4	115	50.0	56.0	112	2.4	30	68	131
Vinyl chloride	50.0	41.8	83.7	50.0	41.7	83.4	0.3	30	61	130
cis-1,2-Dichloroethene	50.0	46.2	92.4	50.0	48.8	97.5	5.4	30	77	123
m,p-Xylene	100	97.6	97.6	100	103	103	5.6	30	78	125
o-Xylene	50.0	49.6	99.2	50.0	53.3	107	7.1	30	78	121
trans-1,2-Dichloroethene	50.0	45.4	90.8	50.0	48.1	96.3	5.9	30	73	127
1,2-Dichloroethene (total)	100	91.6	91.6	100	96.9	96.9	5.7	30	76	124
Xylenes,Total	150.0	147.2	98.14	150.0	156.3	104.4	6.1	30	61	130
Surr: 1,2-Dichloroethane-d4	50.0	48.8	97.5	50.0	49.8	99.5	2.0	30	50	166
Surr: 4-Bromofluorobenzene	50.0	51.4	103	50.0	49.7	99.3	3.4	30	79	123
Surr: Toluene-d8	50.0	48.1	96.2	50.0	49.2	98.4	2.3	30	62	146

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis: **Volatile Organics-RECAP Method 8260B** **WorkOrder:** **09100272**
Method: **SW8260B** **Lab Batch ID:** **R217731**

Method Blank

RunID: HB_091010A-3290484 Units: ug/Kg
Analysis Date: 10/10/2009 11:04 Analyst: MCB
Preparation Date: 10/10/2009 11:04 Prep By: Method SW5035

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
09100272-04A	SD-3514-ACE-B8-0-3
09100272-06A	SD-3514ACE-B9-0-3

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.

3514ACE PROPOSED SEABROOK GATE

Analysis: Volatile Organics-RECAP Method 8260B **WorkOrder:** 09100272
Method: SW8260B **Lab Batch ID:** R217731

Method Blank

RunID: HB_091010A-3290484 Units: ug/Kg
Analysis Date: 10/10/2009 11:04 Analyst: MCB
Preparation Date: 10/10/2009 11:04 Prep By: Method SW5035

Analyte	Result	Rep Limit
Surr: 1,2-Dichloroethane-d4	107.1	50-166
Surr: 4-Bromofluorobenzene	99.8	79-123
Surr: Toluene-d8	99.0	62-146

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

RunID: HB_091010A-3290482 Units: ug/Kg
Analysis Date: 10/10/2009 9:40 Analyst: MCB
Preparation Date: 10/10/2009 9:40 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	52.9	106	50.0	53.3	107	0.8	30	83	125
1,1,1-Trichloroethane	50.0	52.4	105	50.0	52.3	105	0.1	30	72	127
1,1,2,2-Tetrachloroethane	50.0	48.8	97.6	50.0	51.9	104	6.1	30	85	120
1,1,2-Trichloroethane	50.0	47.3	94.7	50.0	49.0	98.0	3.5	30	86	120
1,1-Dichloroethane	50.0	49.1	98.1	50.0	50.1	100	2.1	30	77	125
1,1-Dichloroethene	50.0	52.2	104	50.0	54.1	108	3.6	25	77	126
1,2-Dibromo-3-chloropropane	50.0	48.5	96.9	50.0	52.6	105	8.2	30	80	129
1,2-Dichlorobenzene	50.0	49.1	98.1	50.0	49.5	99.0	0.9	30	84	119
1,2-Dichloroethane	50.0	48.6	97.2	50.0	49.9	99.7	2.6	30	81	121
1,2-Dichloropropane	50.0	47.1	94.3	50.0	48.0	96.0	1.8	30	77	120
1,3-Dichlorobenzene	50.0	48.8	97.5	50.0	49.2	98.3	0.8	30	80	122
1,4-Dichlorobenzene	50.0	48.2	96.5	50.0	48.2	96.4	0.1	30	83	123
2-Butanone	125	113	90.2	125	127	102	11.9	30	71	124
4-Methyl-2-pentanone	125	119	95.4	125	129	103	8.2	30	76	132
Acetone	125	109	87.0	125	128	103	16.5	30	64	129
Benzene	50.0	48.7	97.3	50.0	49.1	98.1	0.8	21	77	123
Bromodichloromethane	50.0	51.1	102	50.0	51.8	104	1.3	30	81	124
Bromoform	50.0	49.4	98.9	50.0	52.7	105	6.5	30	77	128
Bromomethane	50.0	50.5	101	50.0	53.4	107	5.6	30	42	148
Carbon disulfide	50.0	48.2	96.4	50.0	49.3	98.6	2.3	30	69	132
Carbon tetrachloride	50.0	54.1	108	50.0	54.8	110	1.4	30	67	131
Chlorobenzene	50.0	50.3	101	50.0	51.1	102	1.7	20	82	119

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Quality Control Report

MATERIALS MANAGEMENT GROUP, INC.

3514ACE PROPOSED SEABROOK GATE

Analysis:	**Volatile Organics-RECAP Method 8260B**	**WorkOrder:**	**09100272**
Method:	**SW8260B**	**Lab Batch ID:**	**R217731**

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

RunID:	HB_091010A-3290482	Units:	ug/Kg
Analysis Date:	10/10/2009 9:40	Analyst:	MCB
Preparation Date:	10/10/2009 9:40	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	49.3	98.7	50.0	51.5	103	4.2	30	54	144
Chloroform	50.0	49.6	99.2	50.0	50.2	100	1.2	30	76	122
Chloromethane	50.0	44.0	88.0	50.0	46.8	93.5	6.1	30	55	129
cis-1,3-Dichloropropene	50.0	49.7	99.5	50.0	50.8	102	2.2	30	85	121
Dibromochloromethane	50.0	54.2	108	50.0	56.0	112	3.3	30	80	128
Ethylbenzene	50.0	49.7	99.4	50.0	50.1	100	0.9	30	77	121
Hexachloroethane	50.0	52.8	106	50.0	53.3	107	1.0	30	71	130
Isobutyl alcohol	500	474	94.7	500	545	109	14.0	30	53	132
Methyl tert-butyl ether	50.0	48.4	96.8	50.0	51.4	103	6.0	30	79	128
Methylene chloride	50.0	53.8	108	50.0	55.4	111	3.0	30	59	154
Styrene	50.0	51.2	102	50.0	51.2	102	0.0	30	74	125
Tetrachloroethene	50.0	53.1	106	50.0	52.2	104	1.7	30	78	127
Toluene	50.0	52.7	105	50.0	52.8	106	0.3	20	79	120
trans-1,3-Dichloropropene	50.0	54.2	108	50.0	53.1	106	2.1	30	84	126
Trichloroethene	50.0	50.4	101	50.0	52.1	104	3.3	23	79	125
Trichlorofluoromethane	50.0	51.0	102	50.0	51.8	104	1.5	30	68	131
Vinyl chloride	50.0	45.6	91.2	50.0	48.5	97.0	6.2	30	61	130
cis-1,2-Dichloroethene	50.0	50.1	100	50.0	51.7	103	3.2	30	77	123
m,p-Xylene	100	98.2	98.2	100	98.1	98.1	0.1	30	78	125
o-Xylene	50.0	47.6	95.2	50.0	47.9	95.8	0.6	30	78	121
trans-1,2-Dichloroethene	50.0	51.8	104	50.0	53.4	107	3.0	30	73	127
1,2-Dichloroethene (total)	100.0	101.9	102.0	100.0	105.1	105.2	3.1	30	76	124
Xylenes,Total	150.0	145.8	97.20	150.0	146.0	97.36	0.2	30	61	130
Surr: 1,2-Dichloroethane-d4	50.0	49.1	98.2	50.0	50.8	102	3.5	30	50	166
Surr: 4-Bromofluorobenzene	50.0	50.7	101	50.0	50.8	102	0.2	30	79	123
Surr: Toluene-d8	50.0	48.9	97.8	50.0	49.1	98.2	0.5	30	62	146

Qualifiers:
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Sample Receipt Checklist

And

Chain of Custody

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

Sample Receipt Checklist

Workorder:	**09100272**	Received By:	**EMB**
Date and Time Received:	**10/7/2009 10:15:00 AM**	Carrier name:	**FedEx-Std 1 Day PM**
Temperature:	**4°C**	Chilled by:	**Water Ice**

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

***VOA Preservation Checked After Sample Analysis**

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

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

SPL, Inc.
Analysis Request & Chain of Custody Record

SPL Workorder No. 286133
09100272 page 1 of 2

Client Name: Materials Management Group
Address: 3520 General DeGaulle Dr.
City New Orleans State LA Zip 70114
Phone/Fax: (504) 368-0568 (504) 368-8403
Client Contact: Karly Gibbs Email: Karlygibbs@mmgnola.com
Project Name/No.: Limited PIIESA, Proposed Seabrook Gate 3514ACE
Site Name: Seabrook Boat Launch
Site Location: 4900 Lakeshore Dr., N.O. LA 70122
Invoice To: Mimi Le Ph: (504) 368-0568

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

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	TPH-G 5035 8015B	VOCs 5035 8260	TPH-D40 8015B	SVOCs 8270	Pesticides 8081	PCBs 8082	Herbicides 8151	RECAP Metals 6010 7400	Full TCLP	
SD-3514ACE-B4-0-3	10-6-09	14:30		X	S	X,G,G	X,4,8		7	X	X	X	X	X	X	X	X		7
SD-3514ACE-B6-30-35	10-6-09	14:00		X	S	X,G,G	X,4,8		7	X	X	X	X	X	X	X	X		7
SD-3514ACE-B7-0-3	10-6-09	15:45		X	S	X,G,G	X,4,8		7	X	X	X	X	X	X	X	X		7
SD-3514ACE-B8-0-3	10-6-09	15:15		X	S	X,G,G	X,4,8		7	X	X	X	X	X	X	X	X		7
SD-3514ACE-B8-0-3a	10-6-09	15:15		X	S	X,G,G	X,4,8		7	X	X	X	X	X	X	X	X		7
SD-3514ACE-B9-0-3	10-6-09	15:30		X	S	X,G,G	X,4,8		7	X	X	X	X	X	X	X	X		7
(*) WA-3514ACE-COMP2	10-6-09	16:10	X		S	G	X		1									X	1 (*)
(*) WA-3514ACE-COMP3	10-6-09	16:15	X		S	G	X		1									X	1 (*)
W-3514ACE-TB-10-6-09	10-6-09	15:00			W	V	40		3	X	X								3
W-3514ACE-FB-10-6-09	10-6-09	15:05		X	W	V	40		6	X	X								6

RUSH

Client/Consultant Remarks: TAT 3Day (*) Hold for Analysis

Laboratory remarks: RS 27741 cls sc (3W) PHC2 (7) (12) RS 106 (8) RS-66 (W1) WS-8202 (3W)

Intact? ☐Y ☐N
Ice? ☐Y ☐N
Temp: 4.0 (12)

Requested TAT
☐ 1 Business Day ☐ Contract
☐ 2 Business Days ☐ Standard
☒ 3 Business Days
☐ Other _____
Rush TAT requires prior notice

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

Special Detection Limits (specify): RWW-6 (2) W-1008 (7) (Encores)

PM review (initial):

1. Relinquished by Sampler:	date 10-6-09	time 17:00	2. Received by:
3. Relinquished by:	date 10/7/09	time 900	4. Received by:
5. Relinquished by:	date 10/7/09	time 1015	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. 286134

page 2 of 2

Client Name: Materials Management Group
Address: 3520 General De Gaulle Dr. #3010
City New Orleans State LA Zip 70114
Phone/Fax: (504) 368-0568 (504) 368-9403
Client Contact: Karly Gibbs Email: karlygibbs@mmgnola.com
Project Name/No.: Limited PII ESA, Proposed Seabrook Gate 3514ACE
Site Name: Seabrook Boat Launch
Site Location: 4900 Lakeshore Dr., N.O. LA 70122
Invoice To: Mimi Lo Ph: (504) 368-0568

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

Requested Analysis

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Number of Containers	TPH-G 5035 8015B	VOCs 5035 8260	TPH-DRO 8015B	SVOCs 8270	Pesticides 8081	PCBs 8082	Herbicides 8151	RECAP Metals 6010 7400	
W-3514ACE-RB-B8-10-6-09	10-6-09	12:00		X	W	P,V,A	X,40A	1,2	13	X	X	X	X	X	X	X	X	13

Client/Consultant Remarks: TAT 3 Day

Laboratory remarks: C/S OC

Intact? ☐ Y ☐ N
Ice? ☐ Y ☐ N
Temp: 4.6 (5)

Requested TAT
☐ 1 Business Day ☐ Contract
☐ 2 Business Days ☐ Standard
☒ 3 Business Days
☐ Other _____
Rush TAT requires prior notice

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 10-6-09	time 17:00	2. Received by:
3. Relinquished by:	date 10/7/09	time 900	4. Received by:
5. Relinquished by:	date 10/7/09	time 1015	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

fedEx Express **US Airbill**

FedEx Tracking Number 8690 6952 4513

Form 0215 — Recipient's Copy

1 From This portion can be removed for Recipient's records.

Date 10-6-09 FedEx Tracking Number 869069524513

Sender's Name Wendell Thompson Phone 504 715-7849

Company Materials Management Group

Address 3520 General DeGaulle Dr. 3010 (Dept./Floor/Suite/Room)

City New Orleans State LA ZIP 70114

2 Your Internal Billing Reference 3514 ACE

3 To

Recipient's Name SHIPPING AND RECEIVING Phone 337 237-4775

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

0399937015

8690 6952 4513

RECIPIENT: PEEL HERE

fedex.com 1.800.GoFedEx 1.800.463.3339

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.
- ☐ 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 ☐ 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.

- ☒ No
- ☐ Yes — As per attached Shipper's Declaration.
- ☐ Yes — Shipper's Declaration not required.
- ☐ Dry Ice — Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

☐ Cargo Aircraft Only

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

☐ Sender (Acct. No. in Section 1 will be billed) ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

Obtain Recip. Acct. No. ☐

[redacted]

Total Packages 1 Total Weight 24 [redacted]

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.

- ☒ 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.*

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fedex.com 1.800.GoFedEx 1.800.463.3339

fedex US Airbill

FedEx Tracking Number 8690 6952 4498

Form No. 0215

Date

Sender's FedEx Account Number 869069524498

Sender's Name

Phone 504 715-7849

RECIPIENT: PEEL

Company Materials Management Group

Address 3520 General DeGaulle Dr. 3010

Dept./Floor/Suite/Room

City New Orleans State LA ZIP 70114

2 Your Internal Billing Reference 3514ACE

3 To

Recipient's Name SHIPPING AND RECEIVING Phone 337 237-4715

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

0399937015

8690 6952 4498

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.
- [ ] 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

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

- [ ] Cargo Aircraft Only

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. [ ]

[redacted] 705 [redacted]

Total Packages 1 Total Weight 97 [redacted]

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.*

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

October 13, 2009 6:19:05PM

Client: SPL, Inc. (Scott, LA) / (11017)
500 Ambassador Caffery Pkwy
Scott, LA 70583
Attn: Amy Jackson

Work Order: NSJ0673
Project Name: SPL
Project Nbr: 09100272
P/O Nbr:
Date Received: 10/08/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
09100272-01D	NSJ0673-01	10/06/09 14:30
09100272-02D	NSJ0673-02	10/06/09 14:00
09100272-03D	NSJ0673-03	10/06/09 15:45
09100272-04D	NSJ0673-04	10/06/09 15:15
09100272-05D	NSJ0673-05	10/06/09 15:15
09100272-06D	NSJ0673-06	10/06/09 15:30

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

Louisiana Certification Number: 01945

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.
Estimated uncertainty is available upon request.
This report has been electronically signed.
Report Approved By:

Andrea Runnels

Andrea Runnels

Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0673
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100272
Attn	Amy Jackson	Received:	10/08/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ0673-01 (09100272-01D - Soil) Sampled: 10/06/09 14:30								
Chlorinated Herbicides by EPA Method 8151A								
2,4-D	ND		mg/kg	0.0653	1	10/12/09 22:32	SW846 8151A	9101648
Dalapon	ND	L2	mg/kg	0.164	1	10/12/09 22:32	SW846 8151A	9101648
2,4-DB	ND		mg/kg	0.0653	1	10/12/09 22:32	SW846 8151A	9101648
Dicamba	ND		mg/kg	0.0323	1	10/12/09 22:32	SW846 8151A	9101648
Dichloroprop	ND		mg/kg	0.0653	1	10/12/09 22:32	SW846 8151A	9101648
Dinoseb	ND		mg/kg	0.0653	1	10/12/09 22:32	SW846 8151A	9101648
MCPA	ND		mg/kg	3.26	1	10/12/09 22:32	SW846 8151A	9101648
MCPP	ND		mg/kg	3.26	1	10/12/09 22:32	SW846 8151A	9101648
4-Nitrophenol	ND		mg/kg	0.0323	1	10/12/09 22:32	SW846 8151A	9101648
Pentachlorophenol	ND		mg/kg	0.0323	1	10/12/09 22:32	SW846 8151A	9101648
Picloram	ND		mg/kg	0.0323	1	10/12/09 22:32	SW846 8151A	9101648
2,4,5-T	ND		mg/kg	0.0323	1	10/12/09 22:32	SW846 8151A	9101648
2,4,5-TP (Silvex)	ND		mg/kg	0.0167	1	10/12/09 22:32	SW846 8151A	9101648
Surr: Dichloroacetic Acid (10-150%)	*99 %*					*10/12/09 22:32*	*SW846 8151A*	*9101648*
Sample ID: NSJ0673-02 (09100272-02D - Soil) Sampled: 10/06/09 14:00								
Chlorinated Herbicides by EPA Method 8151A								
2,4-D	ND		mg/kg	0.0664	1	10/12/09 23:02	SW846 8151A	9101648
Dalapon	ND	L2	mg/kg	0.166	1	10/12/09 23:02	SW846 8151A	9101648
2,4-DB	ND		mg/kg	0.0664	1	10/12/09 23:02	SW846 8151A	9101648
Dicamba	ND		mg/kg	0.0329	1	10/12/09 23:02	SW846 8151A	9101648
Dichloroprop	ND		mg/kg	0.0664	1	10/12/09 23:02	SW846 8151A	9101648
Dinoseb	ND		mg/kg	0.0664	1	10/12/09 23:02	SW846 8151A	9101648
MCPA	ND		mg/kg	3.32	1	10/12/09 23:02	SW846 8151A	9101648
MCPP	ND		mg/kg	3.32	1	10/12/09 23:02	SW846 8151A	9101648
4-Nitrophenol	ND		mg/kg	0.0329	1	10/12/09 23:02	SW846 8151A	9101648
Pentachlorophenol	ND		mg/kg	0.0329	1	10/12/09 23:02	SW846 8151A	9101648
Picloram	ND		mg/kg	0.0329	1	10/12/09 23:02	SW846 8151A	9101648
2,4,5-T	ND		mg/kg	0.0329	1	10/12/09 23:02	SW846 8151A	9101648
2,4,5-TP (Silvex)	ND		mg/kg	0.0169	1	10/12/09 23:02	SW846 8151A	9101648
Surr: Dichloroacetic Acid (10-150%)	*100 %*					*10/12/09 23:02*	*SW846 8151A*	*9101648*
Sample ID: NSJ0673-03 (09100272-03D - Soil) Sampled: 10/06/09 15:45								
Chlorinated Herbicides by EPA Method 8151A								
2,4-D	ND		mg/kg	0.0665	1	10/12/09 23:32	SW846 8151A	9101648
Dalapon	ND	L2	mg/kg	0.166	1	10/12/09 23:32	SW846 8151A	9101648
2,4-DB	ND		mg/kg	0.0665	1	10/12/09 23:32	SW846 8151A	9101648
Dicamba	ND		mg/kg	0.0329	1	10/12/09 23:32	SW846 8151A	9101648
Dichloroprop	ND		mg/kg	0.0665	1	10/12/09 23:32	SW846 8151A	9101648
Dinoseb	ND		mg/kg	0.0665	1	10/12/09 23:32	SW846 8151A	9101648
MCPA	ND		mg/kg	3.32	1	10/12/09 23:32	SW846 8151A	9101648
MCPP	ND		mg/kg	3.32	1	10/12/09 23:32	SW846 8151A	9101648
4-Nitrophenol	ND		mg/kg	0.0329	1	10/12/09 23:32	SW846 8151A	9101648

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0673
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100272
Attn	Amy Jackson	Received:	10/08/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ0673-03 (09100272-03D - Soil) - cont. Sampled: 10/06/09 15:45								
Chlorinated Herbicides by EPA Method 8151A - cont.								
Pentachlorophenol	ND		mg/kg	0.0329	1	10/12/09 23:32	SW846 8151A	9101648
Picloram	ND		mg/kg	0.0329	1	10/12/09 23:32	SW846 8151A	9101648
2,4,5-T	ND		mg/kg	0.0329	1	10/12/09 23:32	SW846 8151A	9101648
2,4,5-TP (Silvex)	ND		mg/kg	0.0169	1	10/12/09 23:32	SW846 8151A	9101648
Surr: Dichloroacetic Acid (10-150%)	*99 %*					*10/12/09 23:32*	*SW846 8151A*	*9101648*
Sample ID: NSJ0673-04 (09100272-04D - Soil) Sampled: 10/06/09 15:15								
Chlorinated Herbicides by EPA Method 8151A								
2,4-D	ND		mg/kg	0.0666	1	10/13/09 00:01	SW846 8151A	9101648
Dalapon	ND	L2	mg/kg	0.167	1	10/13/09 00:01	SW846 8151A	9101648
2,4-DB	ND		mg/kg	0.0666	1	10/13/09 00:01	SW846 8151A	9101648
Dicamba	ND		mg/kg	0.0330	1	10/13/09 00:01	SW846 8151A	9101648
Dichloroprop	ND		mg/kg	0.0666	1	10/13/09 00:01	SW846 8151A	9101648
Dinoseb	ND		mg/kg	0.0666	1	10/13/09 00:01	SW846 8151A	9101648
MCPA	ND		mg/kg	3.33	1	10/13/09 00:01	SW846 8151A	9101648
MCPP	ND		mg/kg	3.33	1	10/13/09 00:01	SW846 8151A	9101648
4-Nitrophenol	ND		mg/kg	0.0330	1	10/13/09 00:01	SW846 8151A	9101648
Pentachlorophenol	ND		mg/kg	0.0330	1	10/13/09 00:01	SW846 8151A	9101648
Picloram	ND		mg/kg	0.0330	1	10/13/09 00:01	SW846 8151A	9101648
2,4,5-T	ND		mg/kg	0.0330	1	10/13/09 00:01	SW846 8151A	9101648
2,4,5-TP (Silvex)	ND		mg/kg	0.0170	1	10/13/09 00:01	SW846 8151A	9101648
Surr: Dichloroacetic Acid (10-150%)	*92 %*					*10/13/09 00:01*	*SW846 8151A*	*9101648*
Sample ID: NSJ0673-05 (09100272-05D - Soil) Sampled: 10/06/09 15:15								
Chlorinated Herbicides by EPA Method 8151A								
2,4-D	ND		mg/kg	0.0651	1	10/13/09 00:31	SW846 8151A	9101648
Dalapon	ND	L2	mg/kg	0.163	1	10/13/09 00:31	SW846 8151A	9101648
2,4-DB	ND		mg/kg	0.0651	1	10/13/09 00:31	SW846 8151A	9101648
Dicamba	ND		mg/kg	0.0322	1	10/13/09 00:31	SW846 8151A	9101648
Dichloroprop	ND		mg/kg	0.0651	1	10/13/09 00:31	SW846 8151A	9101648
Dinoseb	ND		mg/kg	0.0651	1	10/13/09 00:31	SW846 8151A	9101648
MCPA	ND		mg/kg	3.25	1	10/13/09 00:31	SW846 8151A	9101648
MCPP	ND		mg/kg	3.25	1	10/13/09 00:31	SW846 8151A	9101648
4-Nitrophenol	ND		mg/kg	0.0322	1	10/13/09 00:31	SW846 8151A	9101648
Pentachlorophenol	ND		mg/kg	0.0322	1	10/13/09 00:31	SW846 8151A	9101648
Picloram	ND		mg/kg	0.0322	1	10/13/09 00:31	SW846 8151A	9101648
2,4,5-T	ND		mg/kg	0.0322	1	10/13/09 00:31	SW846 8151A	9101648
2,4,5-TP (Silvex)	ND		mg/kg	0.0166	1	10/13/09 00:31	SW846 8151A	9101648
Surr: Dichloroacetic Acid (10-150%)	*106 %*					*10/13/09 00:31*	*SW846 8151A*	*9101648*

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0673
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100272
Attn	Amy Jackson	Received:	10/08/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSJ0673-06 (09100272-06D - Soil) Sampled: 10/06/09 15:30								
Chlorinated Herbicides by EPA Method 8151A								
2,4-D	ND		mg/kg	0.0654	1	10/13/09 01:00	SW846 8151A	9101648
Dalapon	ND	L2	mg/kg	0.164	1	10/13/09 01:00	SW846 8151A	9101648
2,4-DB	ND		mg/kg	0.0654	1	10/13/09 01:00	SW846 8151A	9101648
Dicamba	ND		mg/kg	0.0323	1	10/13/09 01:00	SW846 8151A	9101648
Dichloroprop	ND		mg/kg	0.0654	1	10/13/09 01:00	SW846 8151A	9101648
Dinoseb	ND		mg/kg	0.0654	1	10/13/09 01:00	SW846 8151A	9101648
MCPA	ND		mg/kg	3.26	1	10/13/09 01:00	SW846 8151A	9101648
MCPP	ND		mg/kg	3.26	1	10/13/09 01:00	SW846 8151A	9101648
4-Nitrophenol	ND		mg/kg	0.0323	1	10/13/09 01:00	SW846 8151A	9101648
Pentachlorophenol	ND		mg/kg	0.0323	1	10/13/09 01:00	SW846 8151A	9101648
Picloram	ND		mg/kg	0.0323	1	10/13/09 01:00	SW846 8151A	9101648
2,4,5-T	ND		mg/kg	0.0323	1	10/13/09 01:00	SW846 8151A	9101648
2,4,5-TP (Silvex)	ND		mg/kg	0.0167	1	10/13/09 01:00	SW846 8151A	9101648
Surr: Dichloroacetic Acid (10-150%)	*140 %*					*10/13/09 01:00*	*SW846 8151A*	*9101648*

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0673
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100272
Attn	Amy Jackson	Received:	10/08/09 08:00

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Chlorinated Herbicides by EPA Method 8151A							
SW846 8151A	9101648	NSJ0673-01	30.62	10.00	10/10/09 11:25	HLB	EPA 8151A
SW846 8151A	9101648	NSJ0673-02	30.13	10.00	10/10/09 11:25	HLB	EPA 8151A
SW846 8151A	9101648	NSJ0673-03	30.11	10.00	10/10/09 11:25	HLB	EPA 8151A
SW846 8151A	9101648	NSJ0673-04	30.03	10.00	10/10/09 11:25	HLB	EPA 8151A
SW846 8151A	9101648	NSJ0673-05	30.73	10.00	10/10/09 11:25	HLB	EPA 8151A
SW846 8151A	9101648	NSJ0673-06	30.61	10.00	10/10/09 11:25	HLB	EPA 8151A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0673
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100272
Attn	Amy Jackson	Received:	10/08/09 08:00

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Chlorinated Herbicides by EPA Method 8151A						
9101648-BLK1						
2,4-D	<0.0120		mg/kg	9101648	9101648-BLK1	10/12/09 15:07
Dalapon	<0.0120		mg/kg	9101648	9101648-BLK1	10/12/09 15:07
2,4-DB	<0.0100		mg/kg	9101648	9101648-BLK1	10/12/09 15:07
Dicamba	<0.0110		mg/kg	9101648	9101648-BLK1	10/12/09 15:07
Dichloroprop	<0.0140		mg/kg	9101648	9101648-BLK1	10/12/09 15:07
Dinoseb	<0.0100		mg/kg	9101648	9101648-BLK1	10/12/09 15:07
MCPA	<0.274		mg/kg	9101648	9101648-BLK1	10/12/09 15:07
MCPP	<0.489		mg/kg	9101648	9101648-BLK1	10/12/09 15:07
4-Nitrophenol	<0.0100		mg/kg	9101648	9101648-BLK1	10/12/09 15:07
Pentachlorophenol	<0.0100		mg/kg	9101648	9101648-BLK1	10/12/09 15:07
Picloram	<0.0100		mg/kg	9101648	9101648-BLK1	10/12/09 15:07
2,4,5-T	<0.0100		mg/kg	9101648	9101648-BLK1	10/12/09 15:07
2,4,5-TP (Silvex)	<0.0110		mg/kg	9101648	9101648-BLK1	10/12/09 15:07
Surrogate: Dichloroacetic Acid	114%			9101648	9101648-BLK1	10/12/09 15:07

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0673
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100272
Attn	Amy Jackson	Received:	10/08/09 08:00

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Chlorinated Herbicides by EPA Method 8151A								
9101648-BS1								
2,4-D	0.167	0.163		mg/kg	98%	10 - 103	9101648	10/12/09 15:37
Dalapon	0.167	ND	L2	mg/kg	0%	10 - 150	9101648	10/12/09 15:37
2,4-DB	0.167	0.167		mg/kg	100%	10 - 150	9101648	10/12/09 15:37
Dicamba	0.167	0.105		mg/kg	63%	10 - 146	9101648	10/12/09 15:37
Dichloroprop	0.167	0.138		mg/kg	83%	10 - 150	9101648	10/12/09 15:37
Dinoseb	0.167	0.0170		mg/kg	10%	10 - 138	9101648	10/12/09 15:37
MCPA	16.7	17.2		mg/kg	103%	10 - 150	9101648	10/12/09 15:37
MCPP	16.7	8.40		mg/kg	50%	10 - 150	9101648	10/12/09 15:37
4-Nitrophenol	0.167	0.0347		mg/kg	21%	10 - 135	9101648	10/12/09 15:37
Pentachlorophenol	0.167	0.0790		mg/kg	47%	10 - 122	9101648	10/12/09 15:37
Picloram	0.167	0.0810		mg/kg	49%	10 - 145	9101648	10/12/09 15:37
2,4,5-T	0.167	0.106		mg/kg	63%	10 - 150	9101648	10/12/09 15:37
2,4,5-TP (Silvex)	0.167	0.107		mg/kg	64%	10 - 139	9101648	10/12/09 15:37
Surrogate: Dichloroacetic Acid	0.167	0.148			89%	10 - 150	9101648	10/12/09 15:37

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0673
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100272
Attn	Amy Jackson	Received:	10/08/09 08:00

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Chlorinated Herbicides by EPA Method 8151A												
9101648-BSD1												
2,4-D		0.129		mg/kg	0.167	77%	10 - 103	23	50	9101648		10/12/09 16:07
Dalapon		ND	L2	mg/kg	0.167	0%	10 - 150		50	9101648		10/12/09 16:07
2,4-DB		0.111		mg/kg	0.167	66%	10 - 150	1	50	9101648		10/12/09 16:07
Dicamba		0.0977		mg/kg	0.167	59%	10 - 146	8	50	9101648		10/12/09 16:07
Dichloroprop		0.128		mg/kg	0.167	77%	10 - 150	8	50	9101648		10/12/09 16:07
Dinoseb		0.0167		mg/kg	0.167	10%	10 - 138	36	50	9101648		10/12/09 16:07
MCPA		13.8		mg/kg	16.7	83%	10 - 150	22	50	9101648		10/12/09 16:07
MCPP		8.38		mg/kg	16.7	50%	10 - 150	0.3	50	9101648		10/12/09 16:07
4-Nitrophenol		0.0247		mg/kg	0.167	15%	10 - 135	34	50	9101648		10/12/09 16:07
Pentachlorophenol		0.0767		mg/kg	0.167	46%	10 - 122	3	50	9101648		10/12/09 16:07
Picloram		0.0617		mg/kg	0.167	37%	10 - 145	27	50	9101648		10/12/09 16:07
2,4,5-T		0.0990		mg/kg	0.167	59%	10 - 150	7	50	9101648		10/12/09 16:07
2,4,5-TP (Silvex)		0.103		mg/kg	0.167	62%	10 - 139	4	50	9101648		10/12/09 16:07
Surrogate: Dichloroacetic Acid		0.130		mg/kg	0.167	78%	10 - 150			9101648		10/12/09 16:07

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0673
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100272
Attn	Amy Jackson	Received:	10/08/09 08:00

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Chlorinated Herbicides by EPA Method 8151A										
9101648-MS1										
2,4-D	ND	0.107		mg/kg	0.167	64%	10 - 161	9101648	NSJ0673-02	10/12/09 16:37
Dalapon	ND	ND	M8	mg/kg	0.167	0%	10 - 150	9101648	NSJ0673-02	10/12/09 16:37
2,4-DB	ND	0.110		mg/kg	0.167	66%	10 - 182	9101648	NSJ0673-02	10/12/09 16:37
Dicamba	ND	0.0997		mg/kg	0.167	60%	10 - 146	9101648	NSJ0673-02	10/12/09 16:37
Dichloroprop	ND	0.139		mg/kg	0.167	84%	10 - 178	9101648	NSJ0673-02	10/12/09 16:37
Dinoseb	ND	0.0267	M8	mg/kg	0.167	16%	10 - 138	9101648	NSJ0673-02	10/12/09 16:37
MCPA	ND	13.8		mg/kg	16.7	83%	10 - 200	9101648	NSJ0673-02	10/12/09 16:37
MCPP	ND	ND	M8	mg/kg	16.7	0%	10 - 200	9101648	NSJ0673-02	10/12/09 16:37
4-Nitrophenol	ND	0.0217		mg/kg	0.167	13%	10 - 135	9101648	NSJ0673-02	10/12/09 16:37
Pentachlorophenol	ND	0.0700		mg/kg	0.167	42%	10 - 122	9101648	NSJ0673-02	10/12/09 16:37
Picloram	ND	0.0377		mg/kg	0.167	23%	10 - 145	9101648	NSJ0673-02	10/12/09 16:37
2,4,5-T	ND	0.0800		mg/kg	0.167	48%	10 - 157	9101648	NSJ0673-02	10/12/09 16:37
2,4,5-TP (Silvex)	ND	0.0927		mg/kg	0.167	56%	10 - 139	9101648	NSJ0673-02	10/12/09 16:37
Surrogate: Dichloroacetic Acid		0.130		mg/kg	0.167	78%	10 - 150	9101648	NSJ0673-02	10/12/09 16:37

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0673
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100272
Attn	Amy Jackson	Received:	10/08/09 08:00

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Chlorinated Herbicides by EPA Method 8151A												
9101648-MSD1												
2,4-D	ND	0.159		mg/kg	0.165	96%	10 - 161	39	50	9101648	NSJ0673-02	10/12/09 17:07
Dalapon	ND	ND	M8	mg/kg	0.165	0%	10 - 150		50	9101648	NSJ0673-02	10/12/09 17:07
2,4-DB	ND	0.108		mg/kg	0.165	66%	10 - 182	2	50	9101648	NSJ0673-02	10/12/09 17:07
Dicamba	ND	0.120		mg/kg	0.165	72%	10 - 146	18	50	9101648	NSJ0673-02	10/12/09 17:07
Dichloroprop	ND	0.157		mg/kg	0.165	95%	10 - 178	12	50	9101648	NSJ0673-02	10/12/09 17:07
Dinoseb	ND	0.0294		mg/kg	0.165	18%	10 - 138	29	50	9101648	NSJ0673-02	10/12/09 17:07
MCPA	ND	17.1		mg/kg	16.5	104%	10 - 200	22	50	9101648	NSJ0673-02	10/12/09 17:07
MCPP	ND	8.43		mg/kg	16.5	51%	10 - 200	11	50	9101648	NSJ0673-02	10/12/09 17:07
4-Nitrophenol	ND	0.0261		mg/kg	0.165	16%	10 - 135	19	50	9101648	NSJ0673-02	10/12/09 17:07
Pentachlorophenol	ND	0.0865		mg/kg	0.165	52%	10 - 122	21	50	9101648	NSJ0673-02	10/12/09 17:07
Picloram	ND	0.0535		mg/kg	0.165	32%	10 - 145	35	50	9101648	NSJ0673-02	10/12/09 17:07
2,4,5-T	ND	0.106		mg/kg	0.165	64%	10 - 157	28	50	9101648	NSJ0673-02	10/12/09 17:07
2,4,5-TP (Silvex)	ND	0.117		mg/kg	0.165	71%	10 - 139	23	50	9101648	NSJ0673-02	10/12/09 17:07
Surrogate: Dichloroacetic Acid		0.138		mg/kg	0.165	84%	10 - 150			9101648	NSJ0673-02	10/12/09 17:07

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0673
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100272
Attn	Amy Jackson	Received:	10/08/09 08:00

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	AIHA	Nelac	Louisiana
SW846 8151A	Soil	N/A	X	X

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0673
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100272
Attn	Amy Jackson	Received:	10/08/09 08:00

NELAC CERTIFICATION SUMMARY

TestAmerica Analytical - Nashville does not hold NELAC certifications for the following analytes included in this report

Method	Matrix	Analyte

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	SPL, Inc. (Scott, LA) / (11017)	Work Order:	NSJ0673
	500 Ambassador Caffery Pkwy	Project Name:	SPL
	Scott, LA 70583	Project Number:	09100272
Attn	Amy Jackson	Received:	10/08/09 08:00

DATA QUALIFIERS AND DEFINITIONS

L2 Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.

M8 The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).

ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT

NSJ0673

Cooler Received/Opened On 10 / 8 / 09 @ 08:00

1. Tracking # 8451 (last 4 digits, FedEx)

Courier: ____Fed Ex_____ IR Gun ID 96210146

2. Temperature of rep. sample or temp blank when opened: 4.7 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: _____

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 6/24/09

SPL, Inc.
500 Ambassador Caffery Parkway

Scott, LA 70583-8544
(337) 237-4775

NSJ0673
10/13/09 23:59

CHAIN-OF-CUSTODY RECORD

Subcontractor: KENYATTA THOMPSON
TEST AMERICA-NASHVILLE
2960 FOSTER CREIGHTON DRIVE
NASHVILLE, TN 37204

TEL: (800) 765-0980
FAX: (615) 726-3404
Acct #:

07-Oct-09

Sample ID	Client Sample	Matrix	Collection Date	Due Date	Requested Tests SW3550C	SW8151A	
09100272-01D	SD-3514ACE-B4-0-3	Soil	10/06/09 14:30	10/11/09		1	1
09100272-01D	SD-3514ACE-B4-0-3	Soil	10/06/09 14:30	10/09/09	1		
09100272-02D	SD-3514ACE-B6-30-35	Soil	10/06/09 14:00	10/11/09		1	2
09100272-02D	SD-3514ACE-B6-30-35	Soil	10/06/09 14:00	10/09/09	1		
09100272-03D	SD-3514-ACE-B7-0-3	Soil	10/06/09 15:45	10/11/09		1	3
09100272-03D	SD-3514-ACE-B7-0-3	Soil	10/06/09 15:45	10/09/09	1		
09100272-04D	SD-3514-ACE-B8-0-3	Soil	10/06/09 15:15	10/11/09		1	4
09100272-04D	SD-3514-ACE-B8-0-3	Soil	10/06/09 15:15	10/09/09	1		
09100272-05D	SD-3514ACE-B8-0-3A	Soil	10/06/09 15:15	10/11/09		1	5
09100272-05D	SD-3514ACE-B8-0-3A	Soil	10/06/09 15:15	10/09/09	1		
09100272-06D	SD-3514ACE-B9-0-3	Soil	10/06/09 15:30	10/11/09		1	6
09100272-06D	SD-3514ACE-B9-0-3	Soil	10/06/09 15:30	10/09/09	1		

CHECKED OCT 07 2009

Comments: 8151 HERBICIDIES-Please contact Amy Jackson for questions (800-304-5227). Please issue a full PDF report by e-mail (including COC documentation) to ajackson@spl-inc.com.

		Date/Time			Date/Time
Relinquished by:	Erica Breaux	10/7/09 1700	**Received by:**		10/8/09 800
Relinquished by:			**Received by:**		

Appendix C: Field Logs

Table 1: Sample Table

	Sample Name	Date	Depth (ft)	Analysis/Method	Containers	Holding Time/Preservation	Comments
Waste 1 10-5-09 13:00	S-3514ACE-B1-0-3	10/5 11:45	0-3 PID 0.0	TPH-G/5035,8015B & VOCs/5035,8260 TPH-D&O/8015B, SVOCs/8270, Pests/8081 & PCBs/8082 Herbicides/8151 RECAP metals/6010,7400	4 Encores 1X 8 oz jar 1 X 4 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	MS/MSD
	S-3514ACE-B2-0-3	10/5 12:30	0-3 PID 0.0	TPH-G/5035,8015B & VOCs/5035,8260 TPH-D&O/8015B, SVOCs/8270, Pests/8081 & PCBs/8082 Herbicides/8151 RECAP metals/6010,7400	4 Encores 1X 8 oz jar 1 X 4 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	
	S-3514ACE-B3-0-3	10/5 12:45	0-3 PID 0.0	TPH-G/5035,8015B & VOCs/5035,8260 TPH-D&O/8015B, SVOCs/8270, Pests/8081 & PCBs/8082 Herbicides/8151 RECAP metals/6010,7400	4 Encores 1X 8 oz jar 1 X 4 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	
WA-3514ACE -COMP2 16:10	SD-3514ACE-B4-0-3 Moved North	10/6 14:30	0-3	TPH-G/5035,8015B & VOCs/5035,8260 TPH-D&O/8015B, SVOCs/8270, Pests/8081 & PCBs/8082 Herbicides/8151 RECAP metals/6010,7400	4 Encores 1X 8 oz jar 1 X 4 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	
	SD-3514ACE-B5-0-3 No Recovery		0-3	TPH-G/5035,8015B & VOCs/5035,8260 TPH-D&O/8015B, SVOCs/8270, Pests/8081 & PCBs/8082 Herbicides/8151 RECAP metals/6010,7400	4 Encores 1X 8 oz jar 1 X 4 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	
	SD-3514ACE-B~~8~~9-0-3a Moved to B8	10/6 1515	0-3	TPH-G/5035,8015B & VOCs/5035,8260 TPH-D&O/8015B, SVOCs/8270, Pests/8081 & PCBs/8082 Herbicides/8151 RECAP metals/6010,7400	4 Encores 1X 8 oz jar 1 X 4 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	~~Split~~ Split B8
	SD-3514ACE-B6-~~0-3~~ 30-35 * No core, Foot Sample 35, 30-35	10/6 14:00	0-3	TPH-G/5035,8015B & VOCs/5035,8260 TPH-D&O/8015B, SVOCs/8270, Pests/8081 & PCBs/8082 Herbicides/8151 RECAP metals/6010,7400	4 Encores 1X 8 oz jar 1 X 4 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	
WA-3514ACE -COMP3 16:15	SD-3514ACE-B7-0-3	10/6 15:45	0-3	TPH-G/5035,8015B & VOCs/5035,8260 TPH-D&O/8015B, SVOCs/8270, Pests/8081 & PCBs/8082 Herbicides/8151 RECAP metals/6010,7400	4 Encores 1X 8 oz jar 1 X 4 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	
	SD-3514ACE-B8-0-3	10/6 15:15	0-3	TPH-G/5035,8015B & VOCs/5035,8260 TPH-D&O/8015B, SVOCs/8270, Pests/8081 & PCBs/8082 Herbicides/8151 RECAP metals/6010,7400	4 Encores 1X 8 oz jar 1 X 4 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	Split
	SD-3514ACE-B9-0-3	10/6 15:30	0-3	TPH-G/5035,8015B & VOCs/5035,8260 TPH-D&O/8015B, SVOCs/8270, Pests/8081 & PCBs/8082 Herbicides/8151 RECAP metals/6010,7400	4 Encores 1X 8 oz jar 1 X 4 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	

Waste #4 10-5-09 15:00

Sample Name	Date	Depth (ft)	Analysis/Method	Containers	Holding Time/Preservation	Comments
S-3514ACE-B10-0-3	10/5 14:05	0-3 PID 0.0	TPH-G/5035,8015B & VOCs/5035,8260 TPH-D&O/8015B, SVOCs/8270, Pests/8081 & PCBs/8082 Herbicides/8151 RECAP metals/6010,7400	4 Encores 1X 8 oz jar 1 X 4 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	
S-3514ACE-B11-0-3	10/5 14:10	0-3 PID 0.0	TPH-G/5035,8015B & VOCs/5035,8260 TPH-D&O/8015B, SVOCs/8270, Pests/8081 & PCBs/8082 Herbicides/8151 RECAP metals/6010,7400	4 Encores 1X 8 oz jar 1 X 4 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	
S-3514ACE-B12-0-3	10/5 14:30	0-3 PID 0.0	TPH-G/5035,8015B & VOCs/5035,8260 TPH-D&O/8015B, SVOCs/8270, Pests/8081 & PCBs/8082 Herbicides/8151 RECAP metals/6010,7400	4 Encores 1X 8 oz jar 1 X 4 oz jar 1 X 4 oz jar	48 hrs/Cool to 4°C 14 d/Cool to 4°C 14 d/Cool to 4°C 180 d (Hg 45 d)/Cool to 4°C	
W-3514ACE-RB-B8-date	10/6 12:00	NA	TPH-G/8015B, VOCs/8260 TPH-D&O/8015B SVOCs/8270 PCBs/8082, Pesticides/8081 Herbicides/8151 RECAP metals/6010,7400	6 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 4°C 7 days/Cool to 4°C 7 days/Cool to 4°C 7 days/Cool to 4°C 7 days/Cool to 4°C 180 days/HNO_3 & Cool to 4°C	
W-3514ACE-TB-~~date~~ 10/5/09	16:00	NA	TPH-G, VOCs	6 X 40 ml vials	14 d/ HCl & Cool to 4°C	
W-3514ACE-TB-date 10/6/09	15:00	NA	TPH-G, VOCs	6 X 40 ml vials	14 d/ HCl & Cool to 4°C	
W-3514ACE-TB-date		NA	TPH-G, VOCs	6 X 40 ml vials	14 d/ HCl & Cool to 4°C	
W-3514ACE-FB-~~date~~ 10/5/09	16:05	NA	TPH-G, VOCs	6 X 40 ml vials	14 d/ HCl & Cool to 4°C	
W-3514ACE-FB-date 10/6/09	15:05	NA	TPH-G, VOCs	6 X 40 ml vials	14 d/ HCl & Cool to 4°C	
W-3514ACE-FB-date		NA	TPH-G, VOCs	6 X 40 ml vials	14 d/ HCl & Cool to 4°C	

THIS PACKAGE CONFORMS TO CFR 49 173.4

MICHAEL HOULIHAN
SOUTHERN PETROLEUM LABS, INC
500 AMBASSADOR CAFFERY PKWY
SCOTT, LOUISIANA 70583
(800) 969-6775

Bottle Order 29789

2 of 4

09/28/09 16:49

SHIPPED TO:

Submitted by: Jackson, Amy K.

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

Ship Date: **9/29/2009**
VIA: **FedEx-Ground**
Due Date: **9/30/2009**

Quote ID: 30
Project Name: 3514ACE SEABROOK PHASEII
End User:
Project Location: NEW ORLEANS, LA
Special COC:
PO#(if applicable):

- [x] Custody seals
- [x] TemperatureBlank
- [x] Trip Blank (1)

Bottle Type	Test	Bottle Code	QTY
8-oz GLS unpres	RECAP Diesel Range Organics by Method 8015C RECAP Oil Range Organics RECAP Semivolatile Organics by EPA 8270D Organochlorine Pesticides by Method 8081B - soil Polychlorinated Biphenyls by EPA 8082A - soil	8OZGU	15
1-LTR AMB GLS unpres	Semivolatile Organics by EPA 8270D	1LAMGU	2
1-LTR AMB GLS unpres	Chlorinated Herbicides by Method 8151A	1LAMGU	2
1-LTR GLS wide mth unpres	TCLP Metals by Method 6010B	1LGWMU	4
3x60 mL AMB VOA vial unpres	RECAP Diesel Range Organics by Method 8015C RECAP Oil Range Organics	60mlAU-set(3)	2
1-LTR AMB GLS unpres	Organochlorine Pesticides by EPA 8081B - water Polychlorinated Biphenyls by EPA 8082A - water	1LAMGU	2
4-oz GLS unpres	Chlorinated Herbicides by Method 8151A	4OZGU	15 30

6

CHECKED SEP 29 2009

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

Filled by .: _____ Courier ...: _____

Date/Time: _____ Freight # : _____

B8 15:15
B8A
B4 14:30

DATE 10-5-09

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
Wind	Still	Moder	High	Report No.	
Humidity	Dry	Moder	Humid		

COE PROJECT MANAGER Haekyung Kim
PROJECT PIIESA Seabrook Gate

JOB NO. 3514-ACE
CONTRACT NO W912P8-08-D-0029, Task Order 14

SUB-CONTRACTOR ON SITE

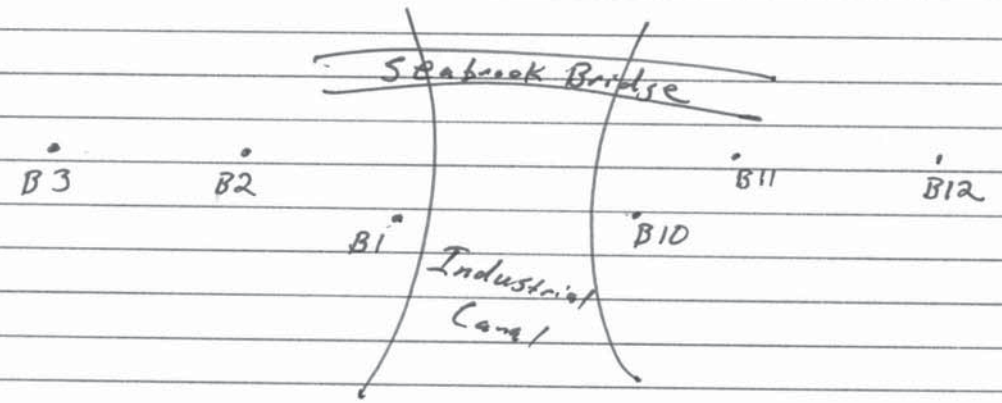
Walker Hill Environmental (WHE) - Driller

EQUIPMENT ON SITE

WORK PERFORMED (INCLUDING SAMPLING):

Under the direction of MMG - WHE will drill 6 boreholes to 3 feet below the sediment surface. 3 boreholes are located on the west bank of the ~~Seabrook~~ Industrial Canal south of the Seabrook bridge and 3 boreholes are located on the east bank.

WHE will ues a 6620 DT Geoprobe direct push drill rig with a 2" sample core.



SHEET 1 OF 2

(Continuation Sheet)

PROJECT P11ESA Seabrook Gate REPORT NO. 3514ACE

JOB NO 3514 ACE DATE 10-5-09

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS)

Calibrate : Lel / O_2 QRAE II
PID MiniRae 2000

HEALTH AND SAFETY LEVELS AND ACTIVITIES

Level D

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN:

SPECIAL NOTES

TOMORROW'S EXPECTATIONS:

Drill 6 boreholes to 3 feet inside the canal.

SHEET 2 OF 2

BY Wendell Thompson TITLE Geologist

DATE 10-6-09

DAY	S	M	T	W	TH	F	S
			(T)				

A-E DAILY QUALITY CONTROL REPORT

COE PROJECT MANAGER Haekyung Kim
PROJECT PIIESA Seabrook Gate

JOB NO. 3514-ACE
CONTRACT NO W912P8-08-D-0029, Task Order 14

WEATHER	Bright Sun	Clear	Overcast	Rain	Snow
		(Clear)	(Overcast)	(Rain)	
Temp	To 32	32-35	50-70	70-85	85 up
				(70-85)	(85 up)
Wind	Still	Moder	High	Report No.	
		(Moder)	(High)		
Humidity	Dry	Moder	Humid		
			(Humid)		

SUB-CONTRACTOR ON SITE

Specalized Environmental (SE) - Jack UP Barge
Walker Hill Environmental (WHE) - Driller

EQUIPMENT ON SITE

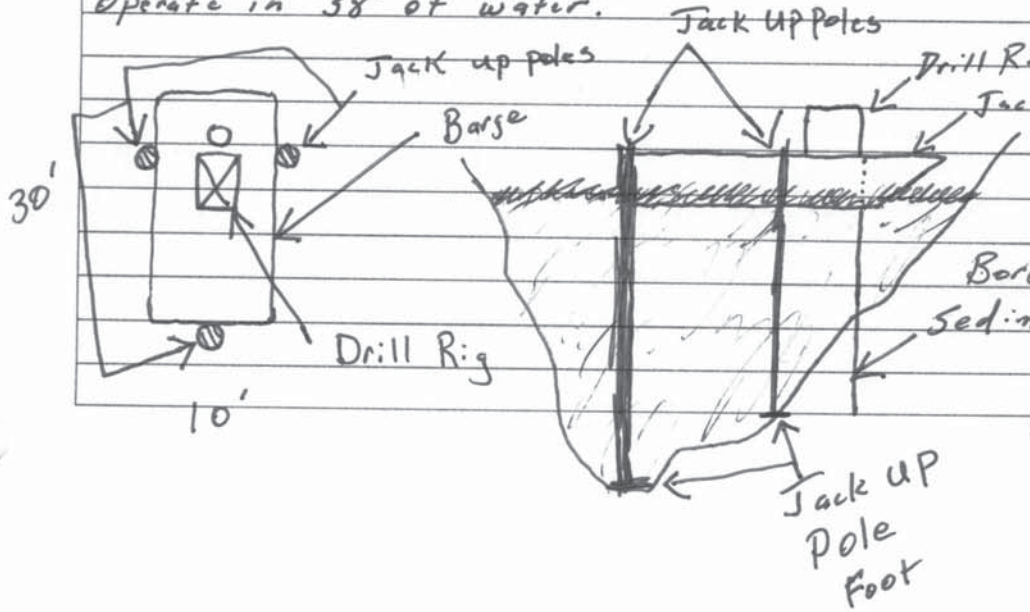
10'x30'x40' Jack Up Barge

WORK PERFORMED (INCLUDING SAMPLING):

Under the direction of Materials Management Group (MMG) WHE will drill six boreholes to 3 feet below the sediment surface. Drilling is expected to take place in 15 to 25 feet of water. Sampling of borehole material will be conducted by MMG.

WHE will use a 6620DT Geoprobe direct push drill rig with a 3" barrell and a 2" sample core.

SE will use a 10' by 30' shallow draft jack up barge to place the drill rig over the sampling borehole location. The jack up poles are 40' long and the barge can safely operate in 38' of water.



SHEET 1 OF 2

(Continuation Sheet)

PROJECT PIIESA Seabrook Gate REPORT NO. 3514ACE

JOB NO 3514 ACE DATE 10-6-09

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS)

Calibrate LEL/O2 QRAE II
PID MiniRae 2000

HEALTH AND SAFETY LEVELS AND ACTIVITIES

Level D
(w)
Life Vest

PROBLEMS ENCOUNTERED/CORRECTION ACTION TAKEN: Shell material, no sample recovery to 20' at B4, B5, & B6. B4 moved north 30'. B5 abandoned, B6 sample material from foot of jack up barge.

SPECIAL NOTES

TOMORROW'S EXPECTATIONS: Job Complete

SHEET 2 OF 2

BY Wendell Thompson TITLE Geologist

Appendix D: Photographs

Photograph #1
West bank of site

Photograph # 2
East bank of site

Photograph #3
Sample Table

Photograph # 4
WHE with 6620DT Geoprobe

Photograph #5
Drilling at B1

Photograph #6
Sample material from B1

Photograph #7
Drilling at B3

Photograph # 8
Sample material from B3

Photograph #9
Drill Rig being loaded onto the jack up barge

Photograph #10
Drilling at B4

Photograph #11
Sample material at B5

Photograph # 12
Sample material from 35 feet deep at B6

Photograph #13
Sample material at B8

Photograph #14
Sample material at B8 - Boulder inclusions

Photograph #15
Sample material at B10

Photograph # 16
Sample material at B10 - Shell inclusions

Appendix E: Final Safety Report

Tailgate Safety Meeting

Date: 10-5-09 Time: 9:00 File #: 3514ACE

Site Location: Industrial Canal @ Seabrook Bridge, N.O. LA

Type of Work: Sampling Sediment

Site Manager: Wendell Thompson Site Phone: (504) 715-7849

Safety Topics:

- [x] **Emergency Shut-Off** [x] **Exclusion Zone** [x] **Smoking Area**
- [ ] Proper Excavation Attire (no loose clothing, no jewelry, tight leather gloves)
- [ ] Weekly Topic: _____

Hazards:

- [x] Slips/Trips/Falls [ ] Thermal Stress [x] Biological [x] Electrical
- [x] Lifting [x] Acoustical [x] Severe Weather [ ] Radiological
- [ ] Shearing Metal [ ] Rotating Equipment [x] Crushing or Pinching
- [x] Heavy Equipment [ ] Fire/Explosion/Hot Work* [ ] Excavation* [ ] Confined Space*

[x] Chemical Exposure
- [ ] From site: _____
- [ ] From work procedures: _____
- [x] Absorption [x] Inhalation [x] Ingestion [ ] MSDS located in field files
- [ ] Other: _____

PPE: Level [ ] A [ ] B [ ] C [x] D

- [ ] Full Face [ ] 1/2 Face
- [ ] Hepa [ ] Organic [ ] Combination: _____
- [ ] Cascade Air [ ] SCBA [ ] Air Pump
- [x] Steel Toe [ ] Rubber Steel Toe [x] Leather Gloves [ ] Cotton Dot
- [x] Ear Plugs [x] Hard Hat [x] Face Shield/Goggles/Glasses
- [x] Surgical Gloves [ ] Nitrile [ ] PVC Gloves
- [ ] Tyvek [ ] Saranex [ ] Other : _____

Monitoring:

- [ ] OVM/OVA [x] LEL/O2 [ ] Draeger : _____
- [ ] Personnel [ ] Area
- [ ] Other: _____

Emergency Facility: [x] Map Attached

Name: University Hospital Phone: _____

Address: 1300 Perdido

Attendees Signature required on other side of this form

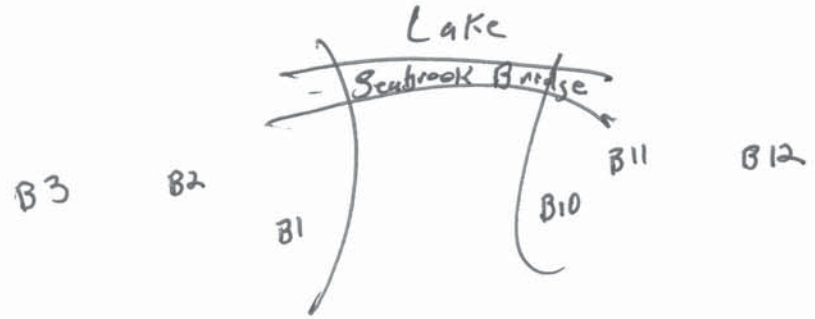
* Permit Required

Meeting Conducted By: [signature]

C:\My Documents\Forms\Drilling Forms\Drilling Tailgate.blnk.doc

Plan of the Day:

- Drill 6 Boreholes to 3' bgs
- Sample Material



Printed Name	Signature
Wendell J. Thompson	
James Jackson	
Dennis Herrera	
Daniel Gallegos	
GARY BROOKS	

EMERGENCY TELEPHONE NUMBERS:

Job #: 3514ACE

Location:

Date: 10-5-09

Supervisor's Initials: WT.

SAFETY INSPECTION FORM

SPA-MMG Joint Venture, LLC	
SUBJECT: INSTRUCTIONS, PROCEDURES & DRAWINGS: HEALTH & SAFETY	**Page:** 1 of 1 **Document:** qa/qm/oper/h&s/sftyrep

PROJECT NUMBER: 3514-ACE DATE: 10-5-09

CUSTOMER: USACE TIME FROM: 08:00 TO: 16:00

JOB LOCATION: Proposed Seabrook Gate Location, New Orleans, Louisiana

SUPERVISOR: Wendell Thompson FOREMAN/LEADMAN:

GENERAL JOB DESCRIPTION: PIIESA

EMPLOYEES:

Wendell Thompson	MMG Geologist
Gary Brooks	MMG Sample Tech
Danny Gallegos	MMG Sample Tech
Dennis Herrera	WHE Drilling Foreman
James Jackson	WHE Drilling Operator

SAFETY CONDITIONS:

WEATHER: Cloudy, Rain, 75°-85°F - 10 MPH NW

MONITORING & SAMPLING (attach results)

INSTRUMENTATION USED: Mini RAE 200 PID; Q Rae II LEL/O2

LEVEL OF PROTECTION (special conditions)

PROBLEMS/UNUSUAL SITUATIONS

CORRESPONDENCE

SIGNATURE: [signature]
(Project Supervisor/Foreman/Leadman)

SIGNATURE:
(HSO Dept.)

Tailgate Safety Meeting

Date: 10-6-09 Time: 10:00 File #: 3514ACE

Site Location: Industrial Canal @ Seabrook Bridge, N.O. LA 70122

Type of Work: Sampling Canal Sediment

Site Manager: Wendell Thompson Site Phone: (504) 715-7849

Safety Topics:

- [x] **Emergency Shut-Off** [x] **Exclusion Zone** [x] **Smoking Area**
- [ ] Proper Excavation Attire (no loose clothing, no jewelry, tight leather gloves)
- [ ] Weekly Topic: _____

Hazards:

- [x] Slips/Trips/Falls
- [ ] Thermal Stress
- [x] Biological
- [ ] Electrical
- [x] Lifting
- [x] Acoustical
- [x] Severe Weather
- [ ] Radiological
- [ ] Shearing Metal
- [ ] Rotating Equipment
- [x] Crushing or Pinching
- [x] 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 [x] D

- [ ] Full Face
- [ ] 1/2 Face
- [ ] Hepa
- [ ] Organic
- [ ] Combination: _____
- [ ] Cascade Air
- [ ] SCBA
- [ ] Air Pump
- [x] Steel Toe
- [ ] Rubber Steel Toe
- [x] Leather Gloves
- [ ] Cotton Dot
- [x] Ear Plugs
- [x] Hard Hat
- [x] Face Shield/Goggles/Glasses
- [x] Surgical Gloves
- [ ] Nitrile
- [ ] PVC Gloves
- [ ] Tyvek
- [ ] Saranex
- [x] Other: Life Vest

Monitoring:

- [ ] OVM/OVA
- [x] LEL/O2
- [ ] Draeger: _____
- [ ] Personnel
- [ ] Area
- [ ] Other: _____

Emergency Facility: [x] Map Attached

Name: University Hospital Phone: _____

Address: 1300 Perdido, N.O. LA.

Attendees Signature required on other side of this form

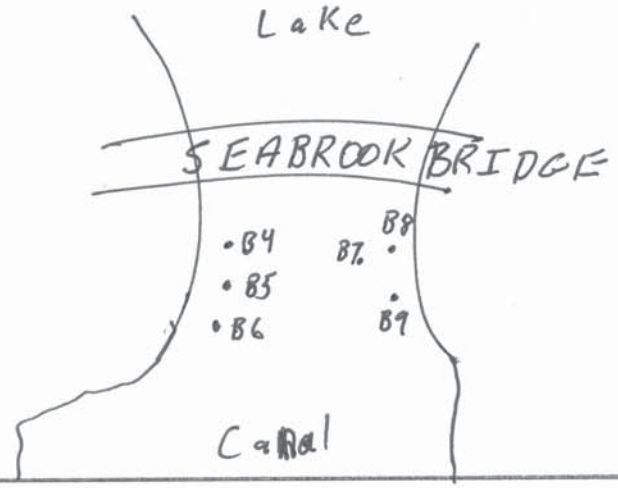
* Permit Required

Meeting Conducted By: Wendell Thompson

C:\My Documents\Forms\Drilling Forms\Drilling Tailgate.blnk.doc

Plan of the Day:

- Drill 6 boreholes to 3' bgs
- Sample Material



Printed Name	Signature
Wendell Thompson	
James Jackson	
Dennis Herrera	
GARY BROOKS	
AJ. ASSAVEDO	

EMERGENCY TELEPHONE NUMBERS:

Job #: 3514ACE
Location: N.O. LA

Date: 10-6-09
Supervisor's Initials: WO

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: 3514-ACE DATE: 10/6/09

CUSTOMER: USACE TIME FROM: 09:00 TO: 16:05

JOB LOCATION: Proposed Seabrook Gate Location, New Orleans, Louisiana

SUPERVISOR: Wendell Thompson FOREMAN/LEADMAN:

GENERAL JOB DESCRIPTION: PIIESA

EMPLOYEES:

Wendell Thompson	MMG Geologist
Gary Brooks	MMG Sample Tech
A.J. Assaredo	SE Barge Captian
Dennis Herrera	WHE Drilling Foreman
James Jackson	WHE Drilling Operator

SAFETY CONDITIONS:

WEATHER: Cloudy - Clear, Rain, 75°-90°F, 10-15 MPH NW

MONITORING & SAMPLING (attach results)

INSTRUMENTATION USED: Mini Rae 2000 PID; Q Rae II LEL/O2 Meter

LEVEL OF PROTECTION (special conditions) Life Vest

PROBLEMS/UNUSUAL SITUATIONS Current in channel is swift and multidirectional

CORRESPONDENCE

SIGNATURE: (Project Supervisor/Foreman/Leadman)

SIGNATURE: (HSO Dept.)