PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

DENMON ENGINEERING
HOLLY RIDGE NW
INTERSECTION OF US HIGHWAY 80 AND LA HIGHWAY 183
HOLLY RIDGE, LOUISIANA
RICHLAND PARISH

PPM PROJECT NO. 115409-ESAII

JANUARY 7, 2015

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AT

HOLLY RIDGE NW
INTERSECTION OF US HIGHWAY 80 AND LA HIGHWAY 183
HOLLY RIDGE, LOUISIANA
RICHLAND PARISH

PREPARED FOR:

DENMON ENGINEERING
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PPM PROJECT NO. 115409-ESAII

JANUARY 7, 2015

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EXECUTIVE SUMMARY

PPM Consultants, Inc. (PPM) was retained by Denmon Engineering to conduct a Phase II Environmental Site Assessment (ESA) of the Holly Ridge NW property located at the intersection of US Highway 80 and LA Highway 183 in Holly Ridge, Louisiana. The purpose of this assessment was to determine if site soil and groundwater have been adversely impacted by the historical uses of the subject property.

PPM conducted field activities at the site on December 4, 2014. Utilizing direct push technology (Geoprobe®), six probe borings (P-1 through P-6) were advanced to an approximate depth of 20 feet below ground surface (BGS).

During the Phase II ESA, soil samples collected from the probe borings located near the three diesel aboveground storage tanks (ASTs) were analyzed for Total Petroleum Hydrocarbons – Diesel Range Organics (TPH-D) per Method 8015. Soil samples collected from the probe boring located near the northeast corner of the property were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) per Method 8021B and Total Petroleum Hydrocarbons – Gasoline Range Organics (TPH-G) and TPH-D per Method 8015B. Soil samples collected from the probe boring located near the northwest corner of the property was analyzed for Volatile Organic Compounds (VOCs) per Method 8260B, Semi-Volatile Organic Compounds (SVOCs) per Method 8270C, Pesticides per Method 8081, Herbicides per Method 8151, and Resource Conservation and Recovery Act (RCRA) Metals per Method 6010B. Soil samples collected from the probe boring located near the staging area was analyzed for Pesticides per Method 8081 and Herbicides per Method 8151.

Additionally, one-inch temporary wells were installed in the probe borings to aid in the collection of groundwater samples. Groundwater samples collected from the probe wells located the three diesel ASTs were analyzed for TPH-D per Method 8015. Groundwater samples collected from the probe well located near the northeast corner of the property were analyzed for BTEX per Method 8021B and TPH-G and TPH-D per Method 8015B. Groundwater samples collected from the probe well located near the northwest corner of the property was analyzed for VOCs per Method 8260B, SVOCs per Method 8270C, Pesticides per Method 8081, Herbicides per Method 8151, and RCRA Metals per Method 6010B. Soil samples collected from the probe boring located near the staging area was analyzed for Pesticides per Method 8081 and Herbicides per Method 8151.

All constituent concentrations in soil and groundwater were below the laboratory detection limits and/or Louisiana Department of Environmental Quality (LDEQ) RECAP Screening

Standards. However, RECAP Screening Standards have not been developed for all constituents analyzed.

Based on the findings from the Phase II ESA, PPM concludes the following:

- Laboratory analysis of soil samples revealed all constituent concentrations below the laboratory detection limits and/or LDEQ RECAP Screening Standards.
- Laboratory analysis of groundwater samples revealed all constituent concentrations below the laboratory detection limits and/or LDEQ Screening Standards.

Based on the above conclusions, PPM recommends no further investigation at this site.

1.0 INTRODUCTION

PPM Consultants, Inc., (PPM) was retained by Denmon Engineering to conduct a Phase II Environmental Site Assessment (ESA) of the Holly Ridge NW property located at the intersection of US Highway 80 and LA Highway 183 in Holly Ridge, Louisiana. The purpose of this assessment was to determine if site soil and groundwater have been adversely impacted from past use of the property at levels which warrant environmental concern.

2.0 SCOPE OF WORK

Based upon the recognized environmental conditions identified in the Phase I ESA conducted at the site, PPM has developed a scope of work for conducting the Phase II ESA, which consisted of the following:

- Contact "One Call" to locate and mark underground utility lines three days prior to start of fieldwork.
- Preparation of a Health and Safety Plan (HASP).
- Installation of six probe borings to a maximum of 20.0 feet below ground surface (BGS), utilizing a Geoprobe® truck-mounted rig.
- Collection of soil samples at continuous 2-foot intervals from each of the probe borings for field screening and possible laboratory analysis. Field screening will be conducted using headspace analysis techniques with Photo-Ionization Detector (PID) readings, soil/groundwater interface, and other conditions observed in the field. A sample from each interval will be retained at 4°C for possible laboratory analysis. Sample selection will be based on PID readings, soil/groundwater interface, and other conditions observed in the field.
- Laboratory analysis of soil samples for the following:
    - One soil sample from each of the borings near the three diesel ASTs will be analyzed for Total Petroleum Hydrocarbons – Diesel Range Organics (TPH-D per Method 8015B.
    - One soil sample from the boring located near the northeast corner of the property will be analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) per Method 8021B, Total Petroleum Hydrocarbons – Gasoline Range Organics (TPH-G) and TPH-D per Method 8015B.

- One soil sample from the boring located near the northwest corner of the property will be analyzed for Volatile Organic Compounds (VOCs) per Method 8260B, Semi-Volatile Organic Compounds (SVOCs) per Method 8270C, Pesticides per Method 8081, Herbicides per Method 8151, and RCRA Metals per Method 6010B.
- One soil sample from the boring located near the staging area will be analyzed for Pesticides per Method 8081 and Herbicides per Method 8151.

- Installation of a temporary well in each probe boring to aid in the collection of one groundwater sample from the temporary wells for laboratory analysis of the following:
  - One groundwater sample from each of the borings near the three diesel ASTs will be analyzed for TPH-D per Method 8015B.
  - One groundwater sample from the boring located near the northeast corner of the property will be analyzed for BTEX per Method 8021B, TPH-G and TPH-D per Method 8015B.
  - One groundwater sample from the boring located near the northwest corner of the property will be analyzed for VOCs per Method 8260B, SVOCs per Method 8270C, Pesticides per Method 8081, and Herbicides per Method 8151.
  - One groundwater sample from the boring located near the staging area will be analyzed for Pesticides per Method 8081 and Herbicides per Method 8151.
- Preparation of a Phase II ESA Report for the site presenting the scope of work, site background, investigative methodology, findings, and conclusions from the Phase II ESA field activities.

3.0 BACKGROUND

3.1 SITE DESCRIPTION

The site is approximately 282 acres in size and is located at the intersection of US Highway 80 and LA Highway 183 in Holly Ridge, Richland Parish, Louisiana. Geographically, the site is located in Sections 10 and 15, Township 17 North, Range 8 East on the Bee Bayou, Louisiana Quadrangle at approximately Latitude 32° 27' 45" and Longitude 91° 37' 59". The site location is shown in **Figure 1**, **Site Location Map**, in **Appendix A**, **Figures**. Site features are shown on **Figure 2, Site Map**, in **Appendix A**.

4.0 SAMPLING METHODOLOGY

4.1 METHODOLOGY

PPM conducted field activities at the site on December 4, 2014. Utilizing direct push technology (Geoprobe®), six probe borings, P-1 through P-6, were advanced to an approximate depth of 20 feet BGS. Temporary wells PW-1 through PW-6 were installed in each probe probing to aid in the collection of groundwater samples. The probe boring locations are shown in **Figure 2, Site Map**.

4.2 SOIL SAMPLING

Probe boring soil samples were collected at continuous 2-foot intervals from each boring for field screening purposes and possible laboratory analysis. Probe boring samples were collected at continuous intervals using a 1 ½-inch inside diameter (I.D.) Macro-Core Sampler. The Macro-Core Sampler sampling device consisted of a 51 ¼ -inch stainless-steel sample tube, cutting shoe, and drive head. Each sample tube was lined with 48-inch clear disposable plastic tubes.

Each sample tube, upon retrieval, was disassembled on a clean surface. Plastic sample tubes were opened with a clean cutting blade to remove soil from the tube. Samples were removed from the tube at discrete 2-foot intervals and containerized in clean prepared glass jars for laboratory analysis and mason jars for field screening purposes. New disposal sampling tubes were used at each sampling interval.

Field screening was conducted utilizing headspace analysis techniques with a Rae Systems MiniRae 2000 PGM 7600 Photo-ionization Detector calibrated with 100 parts per million (ppm) isobutylene span gas. Field screening results were used to determine the distribution of hydrocarbon concentrations, if present, in soil during field activities and to select soil samples for subsequent laboratory analysis.

Each sample containerized for laboratory analysis was firmly packed into the laboratory-prepared glass sample jar to the fullest extent possible to minimize headspace within the container. Each glass container was tightly sealed with a Teflon® lid. Clean disposable nitrile gloves were worn during sample collection and were changed between each sample acquisition.

All soil sampling equipment was thoroughly decontaminated between each sample acquisition. Decontamination consisted of washing the equipment in an Alconox®

solution, followed by a rinsing with alcohol and distilled water. Each piece of equipment was allowed to air dry between sample acquisitions.

4.3 GROUNDWATER SAMPLING

Temporary wells were installed in each probe boring to aid in collection of groundwater. The temporary wells were developed using a peristaltic pump with a sufficient length of chemically inert disposable tubing to reach the middle of the screen of each well. The pump was run at a low rate so as to minimize drawdown in each well. The groundwater samples submitted for laboratory analysis were collected using a disposable bailer. Disposable nitrile gloves were also worn during the sample collection. The samples were transferred into laboratory-prepared containers and immediately preserved on ice.

4.4 SAMPLE PRESERVATION AND DISPATCH

Soil and groundwater samples retained for laboratory analysis were immediately placed on ice and preserved at 4^{o}C. These samples were also labeled to document the appropriate project number, probe boring number, sample number, well number, project name, project location, date, time sampled, and analyses requested. The samples were subsequently sealed in insulated coolers and shipped via common courier to Accutest Laboratories in Scott, Louisiana, for laboratory analysis. The coolers were submitted with a chain-of-custody form. Chain-of-custody forms included the same information included on sample labels as well as container size, the collector's signature, and signatures of persons who maintained custody of the samples.

5.0 FINDINGS

5.1 SITE GEOLOGY

Subsurface geology at the site was determined by visual inspection of soil samples and observations made during installation of the probe borings. Site lithology included alluvial sediments ranging from silty clay to sands. Groundwater was encountered at approximate depths ranging from 15 to 17 feet BGS in the probe borings. A detailed lithologic description of each boring is provided in **Appendix B, Geologic Boring Logs**.

5.2 LABORATORY RESULTS

5.2.1 Soil Analytical Results

All soil constituent concentrations were below laboratory detection limits and/or LDEQ RECAP Screening Standards. However, RECAP Screening Standards have not been developed for all constituents analyzed. Laboratory analytical results for soil are summarized in **Table C-1, Soil Analytical Summary**, in **Appendix C, Tables**. Complete soil analytical results are presented in **Appendix D, Laboratory Analytical Reports**.

5.2.2 Groundwater Analytical Results

All groundwater constituent concentrations were below laboratory detection limits and/or LDEQ RECAP Screening Standards. However, RECAP Screening Standards have not been developed for all constituents analyzed. Laboratory analytical results for groundwater are summarized in **Table C-2, Groundwater Analytical Summary**, in **Appendix C, Tables**. Complete groundwater analytical results are presented in **Appendix D, Laboratory Analytical Reports**.

6.0 CONCLUSIONS AND RECOMMENDATIONS

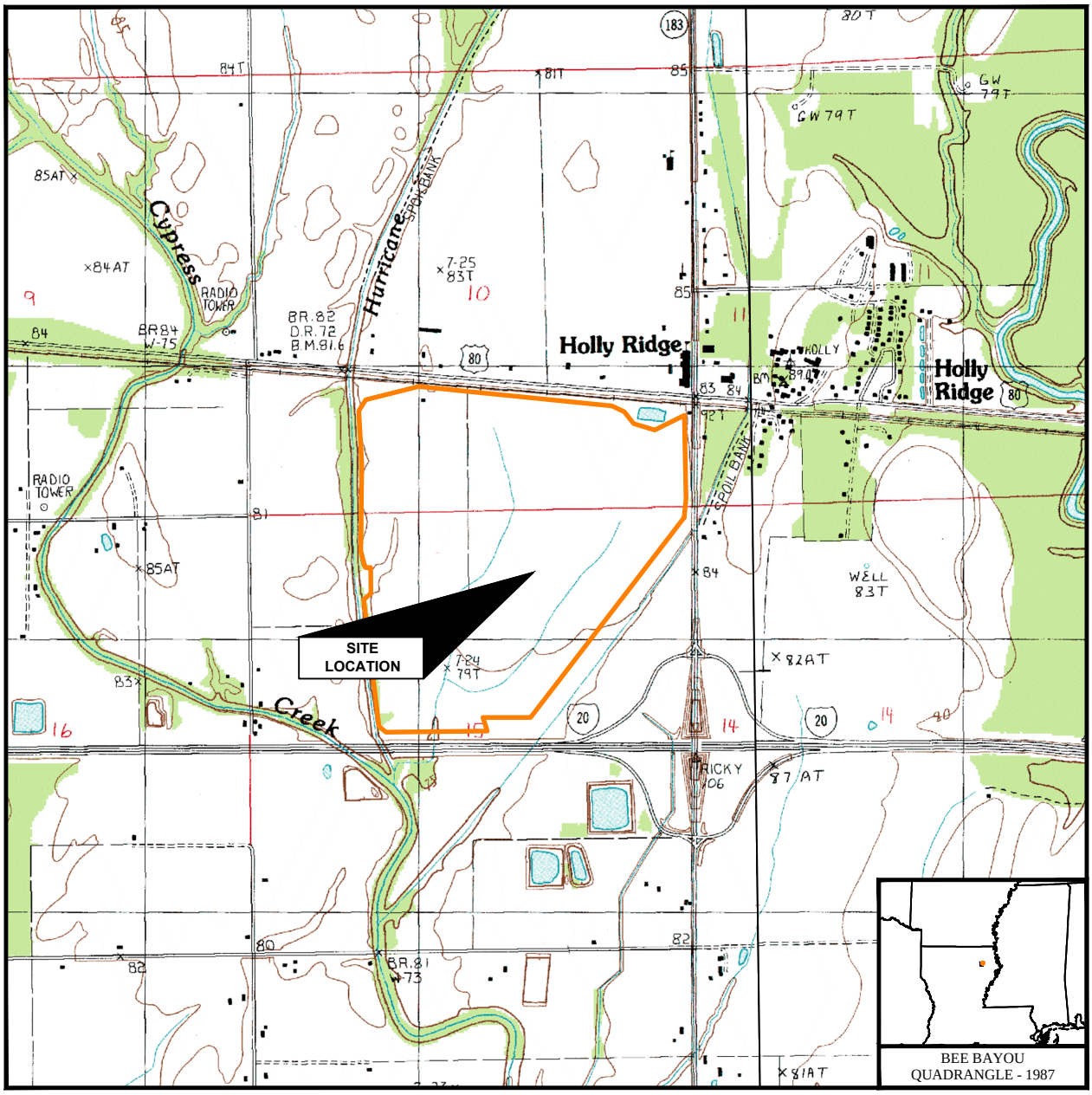
Based on the findings from the Phase II ESA, PPM concludes the following:

- Laboratory analysis of soil samples revealed all constituent concentrations below the laboratory detection limits and/or LDEQ RECAP Screening Standards.
- Laboratory analysis of groundwater samples revealed all constituent concentrations below the laboratory detection limits and/or LDEQ RECAP Screening Standards.

Based on the above conclusions, PPM recommends no further investigation at this site.

APPENDICES

APPENDIX A – FIGURES



SCALE: 1 : 24,000

1 .5 0 1
MILES
1000 0 1000 5000 10,000
FEET
1 0 KILOMETER 1 2
1000 0 METER 1000 2000

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DRAWN BY: JCP	DRAWN DATE: 12/30/14
PROJECT NUMBER: 115409	BILLING GROUP: ESAII

DENMON ENGINEERING
HOLLY RIDGE NW
INTERSECTION OF HIGHWAY 80
AND HIGHWAY 183
HOLLY RIDGE, LOUISIANA

SITE LOCATION MAP

FIGURE NUMBER
1

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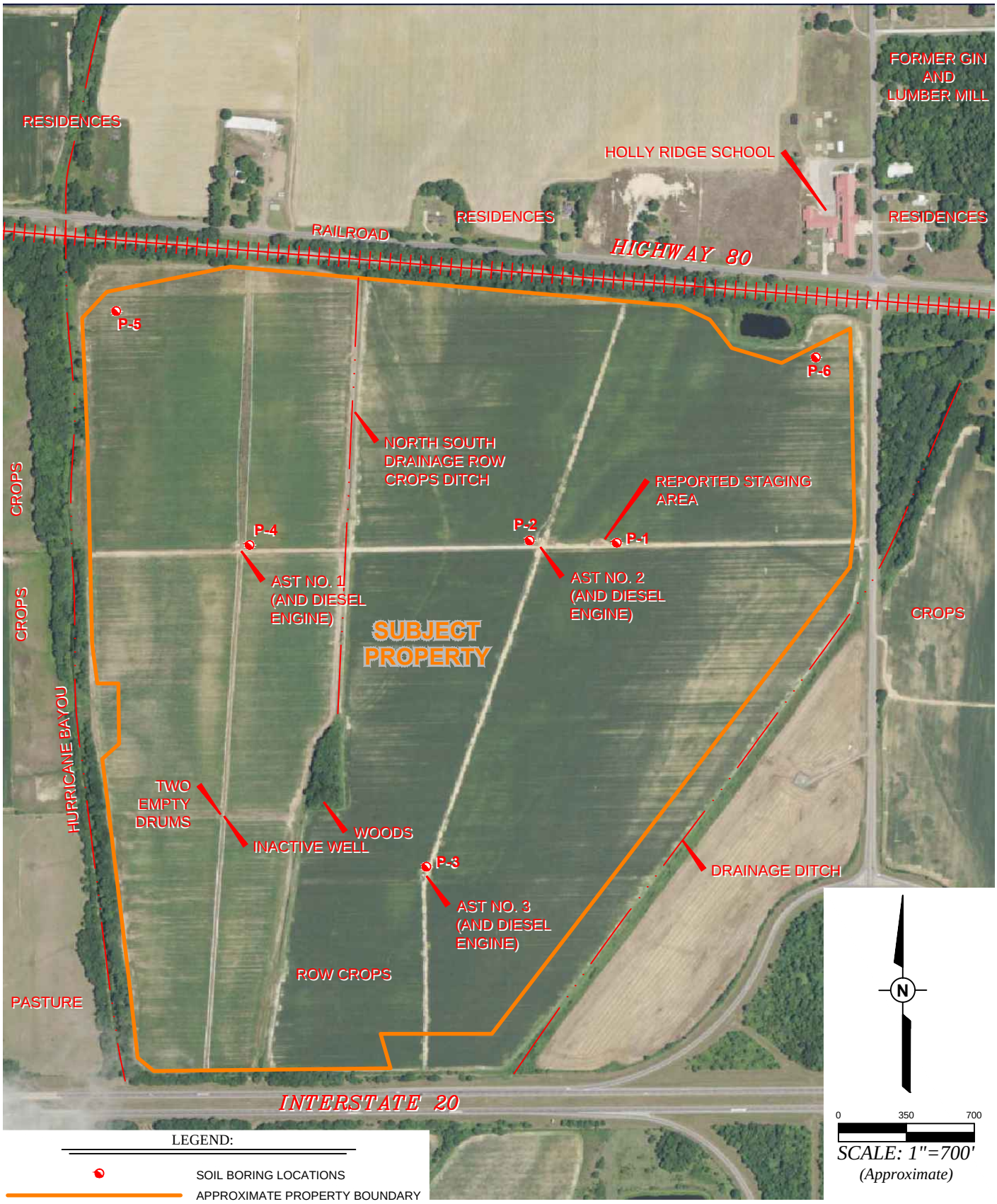


Z:\Denmon Engineering Company, Inc\115409\Esa2\115409-ESA2 Holly Ridge NW.dwg, 2 Site-Area Map, 12/30/2014 10:40:26 AM, jay prickett

PPM CONSULTANTS, INC. www.ppmco.com		DENMON ENGINEERING **HOLLY RIDGE NW** INTERSECTION OF HIGHWAY 80 AND HIGHWAY 183 HOLLY RIDGE, LOUISIANA	SITE / AREA MAP
DRAWN BY: JCP	DRAWN DATE: 12/30/14		FIGURE NUMBER 2
PROJECT NUMBER: 115409	BILLING GROUP: ESAII		

APPENDIX B – GEOLOGIC BORING LOGS

LOG OF BORING P-1

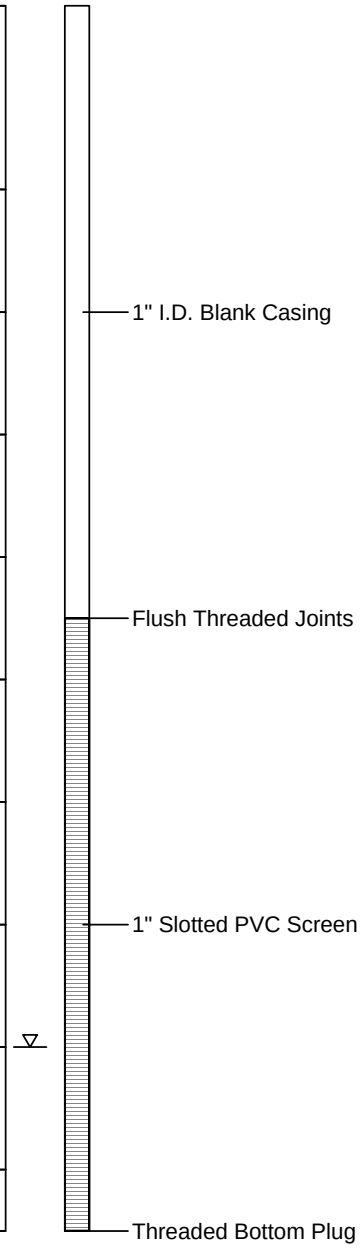
Client: Denmon Engineering
Site: Holly Ridge NW
Location: Holly Ridge, Louisiana
Project: Phase 2 ESA

PPM Project No. 115409

Date Drilled	: December 4, 2014	Total Well Depth (ft.)	: 20.0
Drilled By	: Kerri Powell	Initial GW Level (ft.)	: 17.0
Drilling Company	: Walker Hill Environmental	Final GW Level (ft.)	: NA
Drilling Method	: Hydraulically-Driven Probe	Surface Elevation (ft.)	: NA
Total Boring Depth (ft.)	: 20.0	Logged By	: Garrett Hill

Water Levels
▼ Final groundwater level
▽ Initial groundwater level

Depth in Feet	Surf. Elev.	USCS	Water Level	GRAPHIC	DESCRIPTION	Sample	Headspace Concentration (ppm)
0–7		CL			SANDY CLAY, soft, moist, homogeneous, low plasticity, brown	1 2 3	0 0 0
7–13		SP			SAND, fine, moist, homogeneous, tan	4 5 6	0 0 0
13–15					NO RECOVERY	7	0
15–17		SM	▽		SANDY SILT, fine, moist, homogeneous, low plasticity, tan	8	0
17–19					NO RECOVERY	9	0
19–20		SP			SAND, fine, saturated, tan	10	0
20					Boring terminated at 20.0 feet BGS. Sample S-8 submitted for laboratory analysis.		



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LOG OF BORING P-2

Client: Denmon Engineering
Site: Holly Ridge NW
Location: Holly Ridge, Louisiana
Project: Phase 2 ESA

PPM Project No. 115409

Date Drilled	: December 4, 2014	Total Well Depth (ft.)	: 20.0
Drilled By	: Kerri Powell	Initial GW Level (ft.)	: 16.0
Drilling Company	: Walker Hill Environmental	Final GW Level (ft.)	: NA
Drilling Method	: Hydraulically-Driven Probe	Surface Elevation (ft.)	: NA
Total Boring Depth (ft.)	: 20.0	Logged By	: Garrett Hill

Water Levels
▼ Final groundwater level
▽ Initial groundwater level

Well ID: PW-2

Depth in Feet	Surf. Elev.	USCS	Water Level	GRAPHIC	DESCRIPTION	Sample	Headspace Concentration (ppm)
0–5		CL			SANDY CLAY, fine, moist, homogeneous, low plasticity, brown	1	0
						2	0
5–15		CH			CLAY, fine, moist, homogeneous, medium plasticity, tan/gray	3	0
						4	0
						5	0
						6	0
						7	0
15–20		SP	▽		SAND, fine, moist, homogeneous, gray	8	0
						9	0
						10	0
20					Boring terminated at 20.0 feet BGS. Sample S-8 submitted for laboratory analysis.		

1" I.D. Blank Casing
Flush Threaded Joints
1" Slotted PVC Screen
Threaded Bottom Plug

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LOG OF BORING P-3

Client: Denmon Engineering
Site: Holly Ridge NW
Location: Holly Ridge, Louisiana
Project: Phase 2 ESA

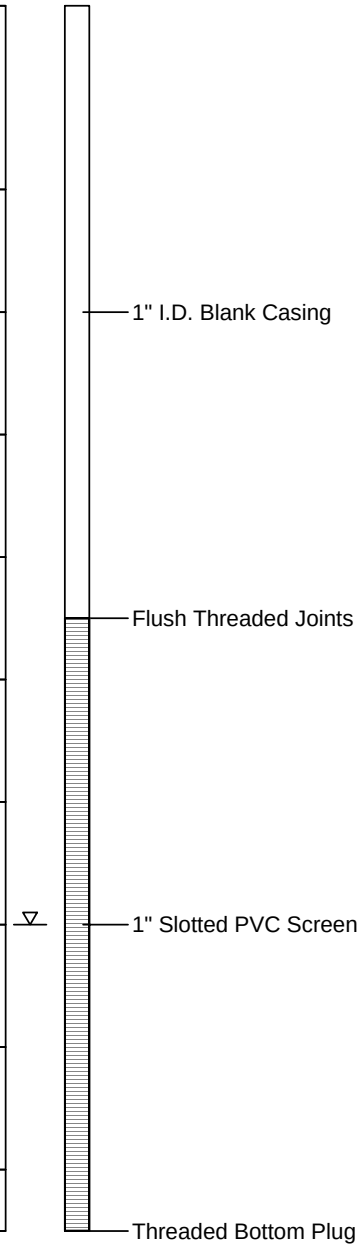
PPM Project No. 115409

Date Drilled	: December 4, 2014	Total Well Depth (ft.)	: 20.0
Drilled By	: Kerri Powell	Initial GW Level (ft.)	: 15.0
Drilling Company	: Walker Hill Environmental	Final GW Level (ft.)	: NA
Drilling Method	: Hydraulically-Driven Probe	Surface Elevation (ft.)	: NA
Total Boring Depth (ft.)	: 20.0	Logged By	: Garrett Hill

Water Levels
▼ Final groundwater level
▽ Initial groundwater level

Well ID: PW-3

Depth in Feet	Surf. Elev.	USCS	Water Level	GRAPHIC	DESCRIPTION	Sample	Headspace Concentration (ppm)
0–5		CL			SANDY CLAY, fine, moist, homogeneous, low plasticity, brown	1 2	0 0
5–20		SP	▽		SAND, fine, moist, homogeneous, tan/brown	3 4 5 6 7 8 9 10	0 0 0 0 0 0 0 0
20					Boring terminated at 20.0 feet BGS. Sample S-7 submitted for laboratory analysis.		



LOG OF BORING P-4

Client: Denmon Engineering
Site: Holly Ridge NW
Location: Holly Ridge, Louisiana
Project: Phase 2 ESA

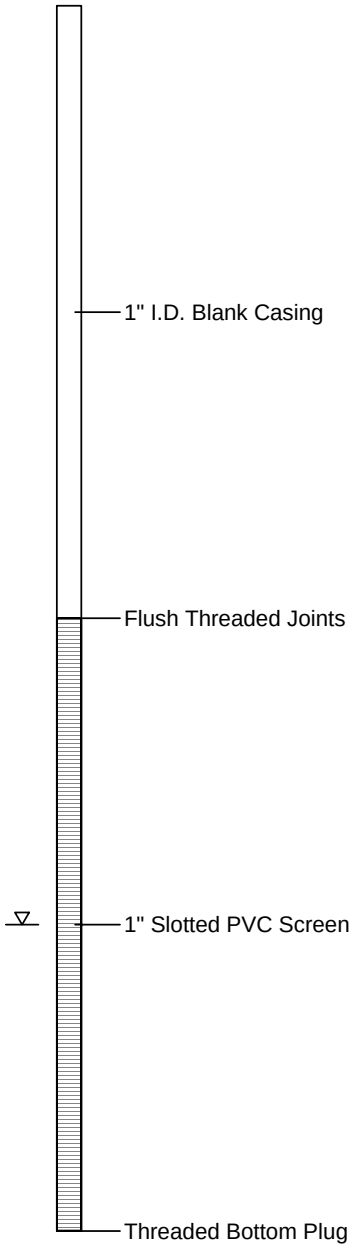
PPM Project No. 115409

Date Drilled	: December 4, 2014	Total Well Depth (ft.)	: 20.0
Drilled By	: Kerri Powell	Initial GW Level (ft.)	: 15.0
Drilling Company	: Walker Hill Environmental	Final GW Level (ft.)	: NA
Drilling Method	: Hydraulically-Driven Probe	Surface Elevation (ft.)	: NA
Total Boring Depth (ft.)	: 20.0	Logged By	: Garrett Hill

Water Levels
▼ Final groundwater level
▽ Initial groundwater level

Well ID: PW-4

Depth in Feet	Surf. Elev.	USCS	Water Level	GRAPHIC	DESCRIPTION	Sample	Headspace Concentration (ppm)
0–7		CL			SANDY CLAY, soft, moist, homogeneous, brown	1	0
						2	0
						3	0
7–20		SP	▽		SAND, fine, moist, homogeneous	4	0
						5	0
						6	0
						7	0
						8	0
						9	0
						10	0
20					Boring terminated at 20.0 feet BGS. Sample S-7 submitted for laboratory analysis.		



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LOG OF BORING P-5

Client: Denmon Engineering
Site: Holly Ridge NW
Location: Holly Ridge, Louisiana
Project: Phase 2 ESA

PPM Project No. 115409

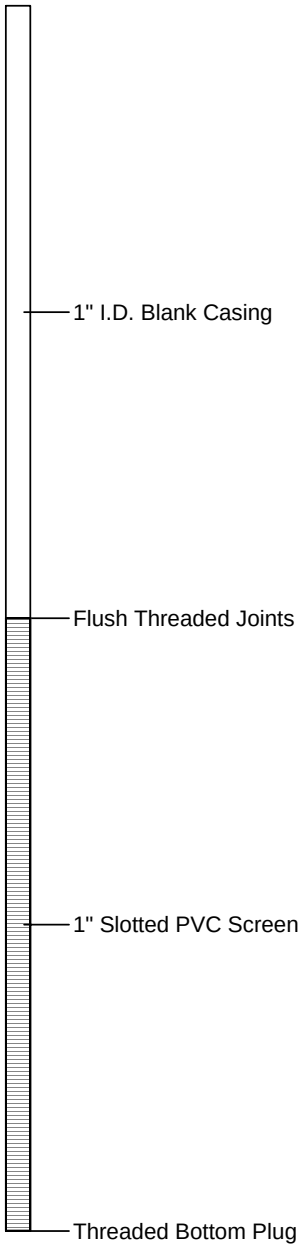
Date Drilled	: December 4, 2014	Total Well Depth (ft.)	: 20.0
Drilled By	: Kerri Powell	Initial GW Level (ft.)	: 15.0
Drilling Company	: Walker Hill Environmental	Final GW Level (ft.)	: NA
Drilling Method	: Hydraulically-Driven Probe	Surface Elevation (ft.)	: NA
Total Boring Depth (ft.)	: 20.0	Logged By	: Garrett Hill

Water Levels
▼ Final groundwater level
▽ Initial groundwater level

Well ID: PW-5

Depth in Feet	Surf. Elev.	USCS	Water Level	GRAPHIC	DESCRIPTION	Sample	Headspace Concentration (ppm)
0–7		CL			SANDY CLAY, soft, moist, homogeneous, tan	1	0
						2	0
						3	0
7–20		SP	▽		SAND, fine, moist, homogeneous	4	0
						5	0
						6	0
						7	0
						8	0
						9	0
						10	0

Boring terminated at 20.0 feet BGS. Sample S-7 submitted for laboratory analysis.



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LOG OF BORING P-6

Client: Denmon Engineering
Site: Holly Ridge NW
Location: Holly Ridge, Louisiana
Project: Phase 2 ESA

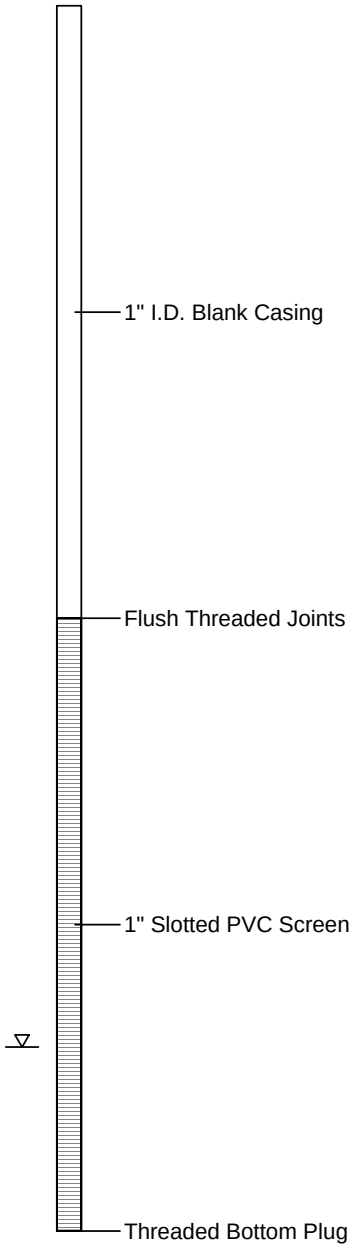
PPM Project No. 115409

Date Drilled	: December 4, 2014	Total Well Depth (ft.)	: 20.0
Drilled By	: Kerri Powell	Initial GW Level (ft.)	: 17.0
Drilling Company	: Walker Hill Environmental	Final GW Level (ft.)	: NA
Drilling Method	: Hydraulically-Driven Probe	Surface Elevation (ft.)	: NA
Total Boring Depth (ft.)	: 20.0	Logged By	: Garrett Hill

Water Levels
▼ Final groundwater level
▽ Initial groundwater level

Well ID: PW-6

Depth in Feet	Surf. Elev.	USCS	Water Level	GRAPHIC	DESCRIPTION	Sample	Headspace Concentration (ppm)
0–7		CL	▽		SANDY CLAY, fine, moist, homogeneous, tan	1	0
						2	0
						3	0
7–20		SP			SAND, fine, moist, homogeneous, brown	4	0
						5	0
						6	0
						7	0
						8	0
						9	0
						10	0
20					Boring terminated at 20.0 feet BGS. Sample S-8 submitted for laboratory analysis.		



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APPENDIX C – TABLES

TABLE C-1
SOIL ANALYTICAL SUMMARY

Boring ID	Sample ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Benzene	Code	Toluene	Code	Ethyl-Benzene	Code	Xylenes	Code	MTBE (methyl tert-butyl ether)	Code	TPH-G	Code	TPH-D	Code	Tetrachloro-ethane,1,1,1,2-	Code	Trichloro-ethane,1,1,1-
P-1	P-1/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA		NA
P-2	P-2/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA	<	9.8		NA		NA
P-3	P-3/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA	<	**10**		NA		NA
P-4	P-4/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA	<	9.8		NA		NA
P-5	P-5/S-7	13	15	12/04/14		0	<	0.005		0.007	<	0.005	<	0.005	<	**0.005**		NA		NA	<	**0.005**	<	**0.005**
P-6	P-6/S-8	17	19	12/04/14		0	<	**0.05**	<	**0.05**	<	**0.05**	<	**0.15**		NA	<	**5**	<	9.9		NA		NA
Minimum Concentration							**<**	**0.005**		**0.007**	**<**	**0.005**	**<**	**0.005**	**<**	**0.005**	**<**	**5**	**<**	**9.8**	**<**	**0.005**	**<**	**0.005**
Maximum Concentration							**<**	**0.05**	**<**	**0.05**	**<**	**0.05**	**<**	**0.15**	**<**	**0.005**	**<**	**5**	**<**	**10**	**<**	**0.005**	**<**	**0.005**
Screening Standards								**0.051**		**20**		**19**		**120**		**0.077**		**65**		**65**		**0.046**		**4**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-1
SOIL ANALYTICAL SUMMARY

Boring ID	Sample ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Tetrachloro-ethane,1,1,2,2-	Code	Trichloro-ethane,1,1,2-	Code	Dichloro-ethane,1,1-	Code	Dichloro-ethene,1,1-	Code	Dibromo-3-chloropropane,1,2-	Code	Dichloro-benzene,1,2-	Code	Dichloro-ethane,1,2-	Code	Dichloro-propane,1,2-
P-1	P-1/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-2	P-2/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-3	P-3/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-4	P-4/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-5	P-5/S-7	13	15	12/04/14		0	<	**0.002**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.003**	<	**0.005**	<	**0.005**	<	**0.005**
P-6	P-6/S-8	17	19	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentration							**<**	**0.002**	**<**	**0.005**	**<**	**0.005**	**<**	**0.005**	**<**	**0.003**	**<**	**0.005**	**<**	**0.005**	**<**	**0.005**
Maximum Concentration							**<**	**0.002**	**<**	**0.005**	**<**	**0.005**	**<**	**0.005**	**<**	**0.003**	**<**	**0.005**	**<**	**0.005**	**<**	**0.005**
Screening Standards								**0.006**		**0.058**		**7.5**		**0.085**		**0.01**		**29**		**0.035**		**0.042**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-1
SOIL ANALYTICAL SUMMARY

Boring ID	Sample ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Dichloro-benzene,1,3-	Code	Dichloro-propene,1,3-	Code	Dichloro-benzene,1,4-	Code	2-Butanone	Code	Methyl isobutyl ketone	Code	Acetone	Code	Bromodi-chloromethane	Code	Bromoform	Code	Bromo-methane
P-1	P-1/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA		NA
P-2	P-2/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA		NA
P-3	P-3/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA		NA
P-4	P-4/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA		NA
P-5	P-5/S-7	13	15	12/04/14		0	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.02**	<	**0.01**	<	**0.1**	<	**0.005**	<	**0.005**	<	**0.01**
P-6	P-6/S-8	17	19	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentration							**<**	**0.005**	**<**	**0.005**	**<**	**0.005**	**<**	**0.02**	**<**	**0.01**	**<**	**0.1**	**<**	**0.005**	**<**	**0.005**	**<**	**0.01**
Maximum Concentration							**<**	**0.005**	**<**	**0.005**	**<**	**0.005**	**<**	**0.02**	**<**	**0.01**	**<**	**0.1**	**<**	**0.005**	**<**	**0.005**	**<**	**0.01**
Screening Standards								**2.1**		**0.04**		**5.7**		**5**		**6.4**		**1.5**		**0.92**		**1.8**		**0.04**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-1
SOIL ANALYTICAL SUMMARY

Boring ID	Sample ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Carbon Disulfide	Code	Carbon Tetrachloride	Code	Chlorobenzene	Code	Chloroethane	Code	Chloroform	Code	Chloro-methane	Code	Dichloro-ethene,cis,1,2-	Code	Chlorodi-bromomethane
P-1	P-1/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-2	P-2/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-3	P-3/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-4	P-4/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-5	P-5/S-7	13	15	12/04/14		0	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.01**	<	**0.005**	<	**0.005**
P-6	P-6/S-8	17	19	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentration							<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.01**	<	**0.005**	<	**0.005**
Maximum Concentration							<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.01**	<	**0.005**	<	**0.005**
Screening Standards								**11**		**0.11**		**3**		**0.035**		**0.3**		**0.1**		**0.49**		**1**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-1
SOIL ANALYTICAL SUMMARY

Boring ID	Sample ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Hexachloro-ethane	Code	Isobutyl alcohol	Code	Methylene chloride	Code	Styrene	Code	Tetrachloro-ethylene	Code	Dichloro-ethene,trans, 1,2-	Code	Trichloro-ethene	Code	Trichlorofluoro-methane
P-1	P-1/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-2	P-2/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-3	P-3/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-4	P-4/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-5	P-5/S-7	13	15	12/04/14		0	<	**0.005**	<	**0.1**	<	**0.01**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**
P-6	P-6/S-8	17	19	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentration							**<**	**0.005**	**<**	**0.1**	**<**	**0.01**	**<**	**0.005**	**<**	**0.005**	**<**	**0.005**	**<**	**0.005**	**<**	**0.005**
Maximum Concentration							**<**	**0.005**	**<**	**0.1**	**<**	**0.01**	**<**	**0.005**	**<**	**0.005**	**<**	**0.005**	**<**	**0.005**	**<**	**0.005**
Screening Standards								**2.2**		**30**		**0.017**		**11**		**0.18**		**0.77**		**0.073**		**37**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-1
SOIL ANALYTICAL SUMMARY

Boring ID	Sample ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Vinyl chloride	Code	DDD	Code	DDE	Code	DDT	Code	Aldrin	Code	Hexachloro-cyclohexane, alpha	Code	Hexachloro-cyclohexane, beta	Code	Chlordane
P-1	P-1/S-8	15	17	12/04/14		0		NA	<	**0.0012**	<	**0.0012**	<	**0.0012**	<	**0.0012**	<	**0.0012**	<	**0.0012**	<	**0.0067**
P-2	P-2/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-3	P-3/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-4	P-4/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-5	P-5/S-7	13	15	12/04/14		0	<	**0.005**	<	**0.0012**	<	**0.0012**	<	**0.0012**	<	**0.0012**	<	**0.0012**	<	**0.0012**	<	**0.0067**
P-6	P-6/S-8	17	19	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentration							**<**	**0.005**	**<**	**0.0012**	**<**	**0.0012**	**<**	**0.0012**	**<**	**0.0012**	**<**	**0.0012**	**<**	**0.0012**	**<**	**0.0067**
Maximum Concentration							**<**	**0.005**	**<**	**0.0012**	**<**	**0.0012**	**<**	**0.0012**	**<**	**0.0012**	**<**	**0.0012**	**<**	**0.0012**	**<**	**0.0067**
Screening Standards								**0.013**		**1.5**		**2**		**12**		**0.13**		**0.006**		**0.016**		**10**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-1
SOIL ANALYTICAL SUMMARY

Boring ID	Sample ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Dieldrin	Code	Endosulfan	Code	Endrin	Code	Hexachloro-cyclohexane, gamma	Code	Heptachlor	Code	Heptachlor epoxide	Code	Methoxychlor	Code	Toxaphene
P-1	P-1/S-8	15	17	12/04/14		0	<	**0.0012**	<	**0.0012**	<	**0.0012**	<	**0.0012**	<	**0.0012**	<	**0.0012**	<	**0.0012**	<	**0.17**
P-2	P-2/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-3	P-3/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-4	P-4/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-5	P-5/S-7	13	15	12/04/14		0	<	**0.0012**	<	**0.0012**	<	**0.0012**	<	**0.0012**	<	**0.0012**	<	**0.0012**	<	**0.0012**	<	**0.17**
P-6	P-6/S-8	17	19	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentration							**<**	**0.0012**	**<**	**0.0012**	**<**	**0.0012**	**<**	**0.0012**	**<**	**0.0012**	**<**	**0.0012**	**<**	**0.0012**	**<**	**0.17**
Maximum Concentration							**<**	**0.0012**	**<**	**0.0012**	**<**	**0.0012**	**<**	**0.0012**	**<**	**0.0012**	**<**	**0.0012**	**<**	**0.0012**	**<**	**0.17**
Screening Standards								**0.15**		**54**		**2.6**		**0.033**		**0.035**		**0.26**		**380**		**2.2**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-1
SOIL ANALYTICAL SUMMARY

Boring ID	Sample ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Biphenyl,1,1-	Code	Tetrachloro-benzene,1,2,4,5-	Code	Trichloro-benzene,1,2,4-	Code	Dinitro-benzene,1,3-	Code	Tetrachloro-phenol,2,3,4,6-	Code	Trichloro-phenol,2,4,5-	Code	Trichloro-phenol,2,4,6-	Code	Dichloro-phenol,2,4-
P-1	P-1/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-2	P-2/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-3	P-3/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-4	P-4/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-5	P-5/S-7	13	15	12/04/14		0	<	**0.33**	<	**0.17**	<	**0.17**	<	**0.17**	<	**0.17**	<	**0.17**	<	**0.17**	<	**0.17**
P-6	P-6/S-8	17	19	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentration							**<**	**0.33**	**<**	**0.17**	**<**	**0.17**	**<**	**0.17**	**<**	**0.17**	**<**	**0.17**	**<**	**0.17**	**<**	**0.17**
Maximum Concentration							**<**	**0.33**	**<**	**0.17**	**<**	**0.17**	**<**	**0.17**	**<**	**0.17**	**<**	**0.17**	**<**	**0.17**	**<**	**0.17**
Screening Standards								**190**		**6.9**		**14**		**0.25**		**31**		**320**		**1.3**		**12**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-1
SOIL ANALYTICAL SUMMARY

Boring ID	Sample ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Dimethyl-phenol,2,4-	Code	Dinitro-phenol,2,4-	Code	Dinitro-toluene,2,4-	Code	Dinitro-toluene,2,6-	Code	Chloro-naphthalene, 2-	Code	Chloro-phenol,2-	Code	Methyl-naphthalene, 2-	Code	Nitroaniline,2-
P-1	P-1/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-2	P-2/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-3	P-3/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-4	P-4/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-5	P-5/S-7	13	15	12/04/14		0	<	**0.17**	<	**0.65**	<	**0.17**	<	**0.17**	<	**0.17**	<	**0.17**	<	**0.033**	<	**0.33**
P-6	P-6/S-8	17	19	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentration							**<**	**0.17**	**<**	**0.65**	**<**	**0.17**	**<**	**0.17**	**<**	**0.17**	**<**	**0.17**	**<**	**0.033**	**<**	**0.33**
Maximum Concentration							**<**	**0.17**	**<**	**0.65**	**<**	**0.17**	**<**	**0.17**	**<**	**0.17**	**<**	**0.17**	**<**	**0.033**	**<**	**0.33**
Screening Standards								**20**		**1.7**		**1**		**0.39**		**500**		**1.4**		**1.7**		**1.7**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-1
SOIL ANALYTICAL SUMMARY

Boring ID	Sample ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Dichloro-benzidine,3,3-	Code	Nitroaniline,3-	Code	Chloroaniline, p-	Code	Nitroaniline,4-	Code	Nitrophenol,4-	Code	Acenaphthene	Code	Acenaphthylene	Code	Aniline
P-1	P-1/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-2	P-2/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-3	P-3/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-4	P-4/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-5	P-5/S-7	13	15	12/04/14		0	<	**0.17**	<	**0.33**	<	**0.17**	<	**0.33**	<	**0.65**	<	**0.033**	<	**0.033**	<	**0.064**
P-6	P-6/S-8	17	19	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentration							**<**	**0.17**	**<**	**0.33**	**<**	**0.17**	**<**	**0.33**	**<**	**0.65**	**<**	**0.033**	**<**	**0.033**	**<**	**0.064**
Maximum Concentration							**<**	**0.17**	**<**	**0.33**	**<**	**0.17**	**<**	**0.33**	**<**	**0.65**	**<**	**0.033**	**<**	**0.033**	**<**	**0.064**
Screening Standards								**1.8**		**1.7**		**1.5**		**1.7**		**2.6**		**220**		**88**		**0.065**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-1
SOIL ANALYTICAL SUMMARY

Boring ID	Sample ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Anthracene	Code	Benz(a)-anthracene	Code	Benzo(a)-pyrene	Code	Benzo(b)-fluoranthene	Code	Benzo(k)-fluoranthene	Code	Bis(2-chloroethyl)-ether	Code	Bis(2-chloroisopropyl)-ether	Code	Bis(2-ethyl-hexyl)-phthalate	Code	Butyl benzyl phthalate
P-1	P-1/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA		NA
P-2	P-2/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA		NA
P-3	P-3/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA		NA
P-4	P-4/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA		NA
P-5	P-5/S-7	13	15	12/04/14		0	<	**0.033**	<	**0.033**	<	**0.033**	<	**0.033**	<	**0.033**	<	**0.17**	<	**0.17**	<	**0.17**	<	**0.17**
P-6	P-6/S-8	17	19	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentration							<	**0.033**	<	**0.033**	<	**0.033**	<	**0.033**	<	**0.033**	<	**0.17**	<	**0.17**	<	**0.17**	<	**0.17**
Maximum Concentration							<	**0.033**	<	**0.033**	<	**0.033**	<	**0.033**	<	**0.033**	<	**0.17**	<	**0.17**	<	**0.17**	<	**0.17**
Screening Standards								**120**		**2.9**		**0.33**		**2.9**		**29**		**0.33**		**0.8**		**79**		**220**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-1
SOIL ANALYTICAL SUMMARY

Boring ID	Sample ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Chrysene	Code	Dibenz(a,h)-anthracene	Code	Dibenzofuran	Code	Diethyl-phthalate	Code	Dimethyl-phthalate	Code	Di-n-octylphthalate	Code	Fluoranthene	Code	Fluorene	Code	Hexachloro-benzene
P-1	P-1/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA		NA
P-2	P-2/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA		NA
P-3	P-3/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA		NA
P-4	P-4/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA		NA
P-5	P-5/S-7	13	15	12/04/14		0	<	**0.033**	<	**0.033**	<	**0.17**	<	**0.17**	<	**0.17**	<	**0.17**	<	**0.033**	<	**0.033**	<	**0.17**
P-6	P-6/S-8	17	19	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentration							**<**	**0.033**	**<**	**0.033**	**<**	**0.17**	**<**	**0.17**	**<**	**0.17**	**<**	**0.17**	**<**	**0.033**	**<**	**0.033**	**<**	**0.17**
Maximum Concentration							**<**	**0.033**	**<**	**0.033**	**<**	**0.17**	**<**	**0.17**	**<**	**0.17**	**<**	**0.17**	**<**	**0.033**	**<**	**0.033**	**<**	**0.17**
Screening Standards								**76**		**0.33**		**24**		**360**		**1500**		**3500**		**1200**		**230**		**2**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-1
SOIL ANALYTICAL SUMMARY

Boring ID	Sample ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Hexachloro-butadiene	Code	Hexachlorocyclo-pentadiene	Code	Indeno(1,2,3-cd)-pyrene	Code	Isophorone	Code	Naphthalene	Code	Nitrobenzene	Code	Nitrosodi-n-propylamine, n-	Code	N-nitrosodi-phenylamine
P-1	P-1/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-2	P-2/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-3	P-3/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-4	P-4/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
P-5	P-5/S-7	13	15	12/04/14		0	<	**0.17**	<	**0.33**	<	**0.033**	<	**0.17**	<	**0.033**	<	**0.17**	<	**0.17**	<	**0.17**
P-6	P-6/S-8	17	19	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentration							**<**	**0.17**	**<**	**0.33**	**<**	**0.033**	**<**	**0.17**	**<**	**0.033**	**<**	**0.17**	**<**	**0.17**	**<**	**0.17**
Maximum Concentration							**<**	**0.17**	**<**	**0.33**	**<**	**0.033**	**<**	**0.17**	**<**	**0.033**	**<**	**0.17**	**<**	**0.17**	**<**	**0.17**
Screening Standards								**5.5**		**9.4**		**2.9**		**0.56**		**1.5**		**0.33**		**0.33**		**2.1**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-1
SOIL ANALYTICAL SUMMARY

Boring ID	Sample ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Pentachloro-phenol	Code	Phenanthrene	Code	Phenol	Code	Pyrene	Code	Arsenic	Code	Barium	Code	Cadmium	Code	Chromium(VI)	Code	Lead
P-1	P-1/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA		NA
P-2	P-2/S-8	15	17	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA		NA
P-3	P-3/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA		NA
P-4	P-4/S-7	13	15	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA		NA
P-5	P-5/S-7	13	15	12/04/14		0	<	**0.65**	<	**0.033**	<	**0.17**	<	**0.033**	<	**1.96**		**17.3**	<	**0.98**		**5.44**		**1.64**
P-6	P-6/S-8	17	19	12/04/14		0		NA		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentration							**<**	**0.65**	**<**	**0.033**	**<**	**0.17**	**<**	**0.033**	**<**	**1.96**		**17.3**	**<**	**0.98**		**5.44**		**1.64**
Maximum Concentration							**<**	**0.65**	**<**	**0.033**	**<**	**0.17**	**<**	**0.033**	**<**	**1.96**		**17.3**	**<**	**0.98**		**5.44**		**1.64**
Screening Standards								**1.7**		**660**		**11**		**1100**		**12**		**2000**		**20**		**100**		**100**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-1
SOIL ANALYTICAL SUMMARY

Boring ID	Sample ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Code	Headspace	Code	Selenium	Code	Silver	Code	Zinc	Code	Mercury (inorganic)
P-1	P-1/S-8	15	17	12/04/14		0		NA		NA		NA		NA
P-2	P-2/S-8	15	17	12/04/14		0		NA		NA		NA		NA
P-3	P-3/S-7	13	15	12/04/14		0		NA		NA		NA		NA
P-4	P-4/S-7	13	15	12/04/14		0		NA		NA		NA		NA
P-5	P-5/S-7	13	15	12/04/14		0	<	**1.96**	<	**0.98**		**9.9**	<	**0.1**
P-6	P-6/S-8	17	19	12/04/14		0		NA		NA		NA		NA
Minimum Concentration							**<**	**1.96**	**<**	**0.98**		**9.9**	**<**	**0.1**
Maximum Concentration							**<**	**1.96**	**<**	**0.98**		**9.9**	**<**	**0.1**
Screening Standards								**20**		**100**		**2800**		**4**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-2
GROUNDWATER ANALYTICAL SUMMARY

Monitoring Well ID	Sample Date	Code	Benzene	Code	Toluene	Code	Ethyl-Benzene	Code	Xylenes	Code	MTBE	Code	TPH-G	Code	TPH-D	Code	Dibromo-3-chloropropane, 1,2-	Code	Tetrachloro-ethane,1,1,1,2-
PW-1	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-2	12/04/14		NA		NA		NA		NA		NA		NA	<	**0.1**		NA		NA
PW-3	12/04/14		NA		NA		NA		NA		NA		NA	<	**0.1**		NA		NA
PW-4	12/04/14		NA		NA		NA		NA		NA		NA	<	**0.1**		NA		NA
PW-5	12/04/14	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.001**		NA		NA	<	**0.000021**	<	**0.005**
PW-6	12/04/14	<	0.001	<	**0.005**	<	0.001	<	**0.005**		NA	<	**0.1**	<	**0.1**		NA		NA
Minimum Concentrations		<	**0.001**	<	**0.005**	<	**0.001**	<	**0.005**	<	**0.001**	<	**0.1**	<	**0.1**	<	**0.000021**	<	**0.005**
Maximum Concentrations		<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.001**	<	**0.1**	<	**0.1**	<	**0.000021**	<	**0.005**
Screening Standards			**0.005**		**1**		**0.7**		**10**		**0.02**		**0.15**		**0.15**		**0.0002**		**0.005**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-2
GROUNDWATER ANALYTICAL SUMMARY

Monitoring Well ID	Sample Date	Code	Trichloro-ethane,1,1,1-	Code	Tetrachloro-ethane,1,1,2,2-	Code	Trichloro-ethane,1,1,2-	Code	Dichloro-ethane,1,1-	Code	Dichloro-ethene,1,1-	Code	Dichloro-benzene,1,2-	Code	Dichloro-ethane,1,2-	Code	Dichloro-propane,1,2-	Code	Dichloro-benzene,1,3-	Code	Dichloro-propene,1,3-
PW-1	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-2	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-3	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-4	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-5	12/04/14	<	**0.005**	<	**0.0005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.001**	<	**0.005**	<	**0.002**	<	**0.001**	<	**0.005**
PW-6	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentrations		<	**0.005**	<	**0.0005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.001**	<	**0.005**	<	**0.002**	<	**0.001**	<	**0.005**
Maximum Concentrations		<	**0.005**	<	**0.0005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.001**	<	**0.005**	<	**0.002**	<	**0.001**	<	**0.005**
Screening Standards			**0.2**		**0.0005**		**0.005**		**0.081**		**0.007**		**0.6**		**0.005**		**0.005**		**0.01**		**0.005**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-2
GROUNDWATER ANALYTICAL SUMMARY

Monitoring Well ID	Sample Date	Code	Dichloro-benzene,1,4-	Code	2-Butanone	Code	Methyl isobutyl ketone	Code	Acetone	Code	Bromodichloro methane	Code	Bromoform	Code	Bromo-methane	Code	Carbon Disulfide	Code	Carbon Tetrachloride
PW-1	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-2	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-3	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-4	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-5	12/04/14	<	**0.001**	<	**0.01**	<	**0.01**	<	**0.05**	<	**0.005**	<	**0.005**	<	**0.01**	<	**0.005**	<	**0.005**
PW-6	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentrations		<	**0.001**	<	**0.01**	<	**0.01**	<	**0.05**	<	**0.005**	<	**0.005**	<	**0.01**	<	**0.005**	<	**0.005**
Maximum Concentrations		<	**0.001**	<	**0.01**	<	**0.01**	<	**0.05**	<	**0.005**	<	**0.005**	<	**0.01**	<	**0.005**	<	**0.005**
Screening Standards			**0.075**		**0.19**		**0.2**		**0.1**		**0.1**		**0.1**		**0.01**		**0.1**		**0.005**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-2
GROUNDWATER ANALYTICAL SUMMARY

Monitoring Well ID	Sample Date	Code	Chlorobenzene	Code	Chloroethane	Code	Chloroform	Code	Chloromethane	Code	Dichloro-ethene,cis,1,2-	Code	Chlorodi-bromomethane	Code	Hexachloro-ethane	Code	Isobutyl alcohol
PW-1	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
PW-2	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
PW-3	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
PW-4	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
PW-5	12/04/14	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.1**
PW-6	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentrations		<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.1**
Maximum Concentrations		<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.1**
Screening Standards			**0.1**		**0.01**		**0.1**		**0.01**		**0.07**		**0.1**		**0.01**		**1.1**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-2
GROUNDWATER ANALYTICAL SUMMARY

Monitoring Well ID	Sample Date	Code	Methylene chloride	Code	Styrene	Code	Tetrachloro-ethylene	Code	Dichloroethene,trans,1,2-	Code	Trichloro-ethene	Code	Trichloro-fluoromethane	Code	Vinyl chloride	Code	DDD
PW-1	12/04/14		NA		NA		NA		NA		NA		NA		NA	<	**0.000051**
PW-2	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
PW-3	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
PW-4	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
PW-5	12/04/14	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.001**	<	0.00005
PW-6	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentrations		<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.001**	<	**0.00005**
Maximum Concentrations		<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.005**	<	**0.001**	<	**0.000051**
Screening Standards			**0.005**		**0.1**		**0.005**		**0.1**		**0.005**		**0.13**		**0.002**		**0.00028**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-2
GROUNDWATER ANALYTICAL SUMMARY

Monitoring Well ID	Sample Date	Code	DDE	Code	DDT	Code	Aldrin	Code	Hexachloro-cyclohexane, alpha	Code	Hexachloro-cyclohexane, beta	Code	Chlordane	Code	Dieldrin	Code	Endosulfan	Code	Endrin	Code	Hexachloro-cyclohexane, gamma
PW-1	12/04/14	<	**0.000051**	<	**0.000051**	<	**0.000051**	<	**0.000051**	<	**0.000051**	<	**0.0002**	<	**0.000051**	<	**0.000051**	<	**0.000051**	<	**0.000051**
PW-2	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-3	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-4	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-5	12/04/14	<	0.00005	<	0.00005	<	0.00005	<	**0.00005**	<	0.00005	<	**0.0002**	<	0.00005	<	0.00005	<	0.00005	<	0.00005
PW-6	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentrations		<	**0.00005**	<	**0.00005**	<	**0.00005**	<	**0.00005**	<	**0.00005**	<	**0.0002**	<	**0.00005**	<	**0.00005**	<	**0.00005**	<	**0.00005**
Maximum Concentrations		<	**0.000051**	<	**0.000051**	<	**0.000051**	<	**0.000051**	<	**0.000051**	<	**0.0002**	<	**0.000051**	<	**0.000051**	<	**0.000051**	<	**0.000051**
Screening Standards			**0.0002**		**0.0003**		**0.0019**		**0.00003**		**0.00006**		**0.002**		**0.0025**		**0.022**		**0.002**		**0.0002**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-2
GROUNDWATER ANALYTICAL SUMMARY

Monitoring Well ID	Sample Date	Code	Heptachlor	Code	Heptachlor epoxide	Code	Methoxychlor	Code	Toxaphene	Code	Biphenyl,1,1-	Code	Tetrachloro-benzene,1,2,4,5-	Code	Trichloro-benzene,1,2,4-	Code	Dinitro-benzene,1,3-
PW-1	12/04/14	<	**0.000051**	<	**0.000051**	<	**0.000051**	<	**0.002**		NA		NA		NA		NA
PW-2	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
PW-3	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
PW-4	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
PW-5	12/04/14	<	0.00005	<	0.00005	<	0.00005	<	**0.002**	<	**0.01**	<	**0.0011**	<	**0.0051**	<	**0.01**
PW-6	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentrations		<	**0.00005**	<	**0.00005**	<	**0.00005**	<	**0.002**	<	**0.01**	<	**0.0011**	<	**0.0051**	<	**0.01**
Maximum Concentrations		<	**0.000051**	<	**0.000051**	<	**0.000051**	<	**0.002**	<	**0.01**	<	**0.0011**	<	**0.0051**	<	**0.01**
Screening Standards			**0.0004**		**0.0002**		**0.04**		**0.003**		**0.03**		**0.0011**		**0.07**		**0.01**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-2
GROUNDWATER ANALYTICAL SUMMARY

Monitoring Well ID	Sample Date	Code	Tetrachloro-phenol,2,3,4,6-	Code	Trichloro-phenol,2,4,5-	Code	Trichloro-phenol,2,4,6-	Code	Dichloro-phenol,2,4-	Code	Dimethyl-phenol,2,4-	Code	Dinitro-phenol,2,4-	Code	Dinitro-toluene,2,4-	Code	Dinitro-toluene,2,6-	Code	Chloro-naphthalene, 2-
PW-1	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-2	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-3	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-4	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-5	12/04/14	<	**0.01**	<	**0.0051**	<	**0.0051**	<	**0.0051**	<	**0.0051**	<	**0.01**	<	**0.0051**	<	**0.0037**	<	**0.0051**
PW-6	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentrations		<	**0.01**	<	**0.0051**	<	**0.0051**	<	**0.0051**	<	**0.0051**	<	**0.01**	<	**0.0051**	<	**0.0037**	<	**0.0051**
Maximum Concentrations		<	**0.01**	<	**0.0051**	<	**0.0051**	<	**0.0051**	<	**0.0051**	<	**0.01**	<	**0.0051**	<	**0.0037**	<	**0.0051**
Screening Standards			**0.11**		**0.37**		**0.01**		**0.011**		**0.073**		**0.05**		**0.01**		**0.01**		**0.049**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-2
GROUNDWATER ANALYTICAL SUMMARY

Monitoring Well ID	Sample Date	Code	Chloro-phenol,2-	Code	Methyl-naphthalene, 2-	Code	Nitroaniline,2-	Code	Dichloro-benzidine,3,3-	Code	Nitroaniline,3-	Code	Chloroaniline,p-	Code	Nitroaniline,4-	Code	Nitrophenol,4-	Code	Acenaphthene
PW-1	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-2	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-3	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-4	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-5	12/04/14	<	**0.003**	<	**0.0002**	<	**0.0051**	<	**0.0051**	<	**0.0018**	<	**0.0051**	<	**0.0051**	<	**0.02**	<	**0.0002**
PW-6	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentrations		<	**0.003**	<	**0.0002**	<	**0.0051**	<	**0.0051**	<	**0.0018**	<	**0.0051**	<	**0.0051**	<	**0.02**	<	**0.0002**
Maximum Concentrations		<	**0.003**	<	**0.0002**	<	**0.0051**	<	**0.0051**	<	**0.0018**	<	**0.0051**	<	**0.0051**	<	**0.02**	<	**0.0002**
Screening Standards			**0.01**		**0.00062**		**0.05**		**0.02**		**0.05**		**0.02**		**0.05**		**0.05**		**0.037**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-2
GROUNDWATER ANALYTICAL SUMMARY

Monitoring Well ID	Sample Date	Code	Acenaphthylene	Code	Aniline	Code	Anthracene	Code	Benz(a)-anthracene	Code	Benzo(a)-pyrene	Code	Benzo(b)-fluoranthene	Code	Benzo(k)-fluoranthene	Code	Bis(2-chloroethyl)-ether
PW-1	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
PW-2	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
PW-3	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
PW-4	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
PW-5	12/04/14	<	**0.0002**	<	**0.0051**	<	**0.001**	<	**0.0002**	<	**0.0002**	<	**0.0002**	<	**0.0002**	<	**0.0051**
PW-6	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentrations		<	**0.0002**	<	**0.0051**	<	**0.001**	<	**0.0002**	<	**0.0002**	<	**0.0002**	<	**0.0002**	<	**0.0051**
Maximum Concentrations		<	**0.0002**	<	**0.0051**	<	**0.001**	<	**0.0002**	<	**0.0002**	<	**0.0002**	<	**0.0002**	<	**0.0051**
Screening Standards			**0.1**		**0.012**		**0.043**		**0.0078**		**0.0002**		**0.0048**		**0.0025**		**0.0057**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-2
GROUNDWATER ANALYTICAL SUMMARY

Monitoring Well ID	Sample Date	Code	Bis(2-chloroisopropyl)-ether	Code	Bis(2-ethyl-hexyl)-phthalate	Code	Butyl benzyl phthalate	Code	Chrysene	Code	Dibenz(a,h)-anthracene	Code	Dibenzofuran	Code	Diethyl-phthalate	Code	Dimethyl-phthalate	Code	Di-n-octyl-phthalate
PW-1	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-2	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-3	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-4	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-5	12/04/14	<	**0.0051**	<	**0.0051**	<	**0.0051**	<	**0.0002**	<	**0.0002**	<	**0.0051**	<	**0.0051**	<	**0.0051**	<	**0.0051**
PW-6	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentrations		<	**0.0051**	<	**0.0051**	<	**0.0051**	<	**0.0002**	<	**0.0002**	<	**0.0051**	<	**0.0051**	<	**0.0051**	<	**0.0051**
Maximum Concentrations		<	**0.0051**	<	**0.0051**	<	**0.0051**	<	**0.0002**	<	**0.0002**	<	**0.0051**	<	**0.0051**	<	**0.0051**	<	**0.0051**
Screening Standards			**0.0057**		**0.006**		**0.73**		**0.0016**		**0.0025**		**0.01**		**2.9**		**37**		**0.02**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-2
GROUNDWATER ANALYTICAL SUMMARY

Monitoring Well ID	Sample Date	Code	Fluoranthene	Code	Fluorene	Code	Hexachloro-benzene	Code	Hexachloro-butadiene	Code	Hexachlorocyclo-pentadiene	Code	Indeno(1,2,3-cd)-pyrene	Code	Isophorone	Code	Naphthalene
PW-1	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
PW-2	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
PW-3	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
PW-4	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
PW-5	12/04/14	<	**0.0002**	<	**0.0002**	<	**0.001**	<	**0.00051**	<	**0.01**	<	**0.0002**	<	**0.0051**	<	**0.0002**
PW-6	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentrations		<	**0.0002**	<	**0.0002**	<	**0.001**	<	**0.00051**	<	**0.01**	<	**0.0002**	<	**0.0051**	<	**0.0002**
Maximum Concentrations		<	**0.0002**	<	**0.0002**	<	**0.001**	<	**0.00051**	<	**0.01**	<	**0.0002**	<	**0.0051**	<	**0.0002**
Screening Standards			**0.15**		**0.024**		**0.001**		**0.00073**		**0.05**		**0.0037**		**0.07**		**0.01**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-2
GROUNDWATER ANALYTICAL SUMMARY

Monitoring Well ID	Sample Date	Code	Nitrobenzene	Code	Nitrosodi-n-propylamine, n-	Code	N-nitrosodiphenylamine	Code	Pentachlorophenol	Code	Phenanthrene	Code	Phenol	Code	Pyrene	Code	2,4,5-T	Code	2,4,5-TP
PW-1	12/04/14		NA		NA		NA		NA		NA		NA		NA	<	**0.000099**	<	**0.000095**
PW-2	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-3	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-4	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
PW-5	12/04/14	<	**0.001**	<	**0.0051**	<	**0.0051**	<	**0.001**	<	**0.0002**	<	**0.0051**	<	**0.0002**	<	**0.000099**	<	**0.000095**
PW-6	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentrations		<	**0.001**	<	**0.0051**	<	**0.0051**	<	**0.001**	<	**0.0002**	<	**0.0051**	<	**0.0002**	<	**0.000099**	<	**0.000095**
Maximum Concentrations		<	**0.001**	<	**0.0051**	<	**0.0051**	<	**0.001**	<	**0.0002**	<	**0.0051**	<	**0.0002**	<	**0.000099**	<	**0.000095**
Screening Standards			**0.0019**		**0.01**		**0.014**		**0.001**		**0.18**		**0.18**		**0.018**		**-**		**-**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

TABLE C-2
GROUNDWATER ANALYTICAL SUMMARY

Monitoring Well ID	Sample Date	Code	2,4-D	Code	2,4-DB	Code	Dalapon	Code	Dicamba	Code	Dichloroprop	Code	Dinoseb	Code	MCPA	Code	MCPP
PW-1	12/04/14	<	**0.00094**	<	**0.00095**	<	**0.0011**	<	**0.000094**	<	**0.00094**	<	**0.00047**	<	**0.093**	<	**0.093**
PW-2	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
PW-3	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
PW-4	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
PW-5	12/04/14	<	**0.00094**	<	**0.00095**	<	**0.0011**	<	**0.000094**	<	**0.00094**	<	**0.00047**	<	**0.093**	<	**0.093**
PW-6	12/04/14		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentrations		<	**0.00094**	<	**0.00095**	<	**0.0011**	<	**0.000094**	<	**0.00094**	<	**0.00047**	<	**0.093**	<	**0.093**
Maximum Concentrations		<	**0.00094**	<	**0.00095**	<	**0.0011**	<	**0.000094**	<	**0.00094**	<	**0.00047**	<	**0.093**	<	**0.093**
Screening Standards			**-**		**-**		**-**		**-**		**-**		**-**		**-**		**-**

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
Bold BLUE type indicates highest concentration for each COC.
NA - Not Analyzed for Parameter
All concentrations are in parts per million (ppm)

APPENDIX D – LABORATORY ANALYTICAL REPORTS

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

Case Narrative for:

PPM CONSULTANTS, INC.

Certificate of Analysis Number:

L0051459

Report To:		Project Name:	115409
PPM CONSULTANTS, INC.		Site:	HOLLY RIDGE NW (115409)
Chris Sampognaro		Site Address:	
1600 LAMY LANE			
MONROE		PO Number:	
LA		State:	Louisiana
71201-		State Cert. No.:	02048
ph: (318) 323-7270	fax: (318) 323-6593	Date Reported:	12/24/2014

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.

Exception: Sw8260B-Volatile Organics Lab Batch R346757- The recovery of the target anlayte, 1,1,2-Tetrachlorethane exceeded the LCL in the LCS sample, with a LCSD within limits. This exceedance represents a marginal exceedance and reportable based on TNI guidance.

Exception:SW8270D-Semivolatile Organics Lab Batch 137276- The recovery of several target analytes exceeded the UCL in the LCS and LCSD sample. The sample associated with this QC does not have any detects for these target compounds.

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.

Accutest Gulf Coast is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

Rebecca Hebert — 12/29/2014

Rebecca Hebert
Project Manager

Date

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

Version 2.1 - Modified February 11, 2011

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

PPM CONSULTANTS, INC.

Certificate of Analysis Number:

L0051459

Report To:
PPM CONSULTANTS, INC.
Chris Sampognaro
1600 LAMY LANE

MONROE
LA
71201-
ph: (318) 323-7270 fax: (318) 323-6593

Fax To:

Project Name: 115409
Site: HOLLY RIDGE NW (115409)
Site Address:

PO Number:
State: Louisiana
State Cert. No.: 02048
Date Reported: 12/24/2014

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
P-1-8	L0051459-01	Solid	12/04/2014 10:37	12/5/2014 4:10:00 PM		☐
P-2-8	L0051459-03	Soil	12/04/2014 10:59	12/5/2014 4:10:00 PM		☐
P-3-7	L0051459-05	Soil	12/04/2014 11:24	12/5/2014 4:10:00 PM		☐
P-4-7	L0051459-07	Soil	12/04/2014 11:59	12/5/2014 4:10:00 PM		☐
P-5-7	L0051459-09	Soil	12/04/2014 13:23	12/5/2014 4:10:00 PM		☐
P-6-8	L0051459-11	Soil	12/04/2014 14:13	12/5/2014 4:10:00 PM		☐
PW-1	L0051459-12	Water	12/04/2014 15:20	12/5/2014 4:10:00 PM		☐
PW-2	L0051459-13	Water	12/04/2014 15:30	12/5/2014 4:10:00 PM		☐
PW-3	L0051459-14	Water	12/04/2014 15:40	12/5/2014 4:10:00 PM		☐
PW-4	L0051459-15	Water	12/04/2014 15:50	12/5/2014 4:10:00 PM		☐
PW-5	L0051459-16	Water	12/04/2014 16:00	12/5/2014 4:10:00 PM		☐
PW-6	L0051459-17	Water	12/04/2014 16:10	12/5/2014 4:10:00 PM		☐

Rebecca Hebert
Project Manager

12/24/2014
Date

Ron Benjamin
Laboratory Director

Karen Rodrigue-Varnado
Quality Assurance Officer

Version 2.1 - Modified February 11, 2011

12/24/2014 8:52:56 AM

Date: **Wednesday, December 24, 2014**

*****CHRONOLOGY REPORT*****

Workorder	Sample_ID	Matrix	Collected	Received	Analyzed	Test Name	Method
L0051459	L0051459-01A	Soil	12/4/2014 10:37:00 A	12/5/2014 4:10:00 PM			
					12/9/2014 1:13:00 AM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					12/9/2014 1:34:00 AM	BTEX by Method 8021B	SW8021B
					12/9/2014 1:36:00 AM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					12/9/2014 2:00:00 AM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					12/9/2014 2:23:00 AM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					12/9/2014 12:27:11 PM	BTEX by Method 8021B	SW8021B
					12/9/2014 1:41:02 PM	Total Metals by Method 6010B - solid	SW6010B
					12/9/2014 3:05:33 PM	EDB & DBCP	SW8011
					12/9/2014 7:31:08 PM	RECAP Gasoline Range Organics	SW8015C
					12/10/2014 1:13:14 AM	Chlorinated Herbicides by Method 8151A	SW8151A
					12/10/2014 1:45:30 AM	Chlorinated Herbicides by Method 8151A	SW8151A
					12/10/2014 2:06:38 AM	RECAP Gasoline Range Organics	SW8015C
					12/10/2014 11:10:22 AM	Mercury, Total by Cold Vapor	SW7471B
					12/10/2014 2:58:00 PM	Organochlorine Pesticides by Method 8081B - soil	SW8081B
					12/10/2014 3:29:00 PM	Volatile Organics-RECAP Method 8260B	SW8260B
					12/10/2014 4:23:00 PM	Organochlorine Pesticides by Method 8081B - soil	SW8081B
					12/10/2014 6:45:00 PM	Organochlorine Pesticides by EPA 8081B - water	SW8081B
					12/10/2014 7:01:00 PM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					12/10/2014 7:14:00 PM	Organochlorine Pesticides by EPA 8081B - water	SW8081B
					12/10/2014 7:19:00 PM	RECAP Diesel Range Organics by Method 8015C	SW8015C
					12/10/2014 7:38:00 PM	RECAP Diesel Range Organics by Method 8015C	SW8015C

Date: Wednesday, December 24, 2014

*****CHRONOLOGY REPORT*****

Workorder	Sample_ID	Matrix	Collected	Received	Analyzed	Test Name	Method
					12/10/2014 8:49:00 PM		
						RECAP Diesel Range Organics by Method 8015C	SW8015C
					12/11/2014 4:20:00 AM		
						RECAP Semivolatile Organics by EPA 8270D	SW8270D
					12/11/2014 4:30:00 AM		
						Volatile Organics-RECAP Method 8260B	SW8260B
					12/11/2014 6:20:00 PM		
						Semivolatile Organics by EPA 8270D	SW8270D

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

Date: Wednesday, December 24, 2014

*****SUMMARY REPORT*****

Company: PPM CONSULTANTS, INC. **Project:** 115409

Site: HOLLY RIDGE NW (115409)

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
L0051459-01A	Solid	P-1-8	12/4/2014 10:37:00	4,4´-DDD	ND	0.0012 mg/Kg	SW8081B
				4,4´-DDE	ND	0.0012 mg/Kg	SW8081B
				4,4´-DDT	ND	0.0012 mg/Kg	SW8081B
				Aldrin	ND	0.0012 mg/Kg	SW8081B
				alpha-BHC	ND	0.0012 mg/Kg	SW8081B
				alpha-Chlordane	ND	0.0012 mg/Kg	SW8081B
				beta-BHC	ND	0.0012 mg/Kg	SW8081B
				Chlordane	ND	0.0067 mg/Kg	SW8081B
				delta-BHC	ND	0.0012 mg/Kg	SW8081B
				Dieldrin	ND	0.0012 mg/Kg	SW8081B
				Endosulfan I	ND	0.0012 mg/Kg	SW8081B
				Endosulfan II	ND	0.0012 mg/Kg	SW8081B
				Endosulfan sulfate	ND	0.0012 mg/Kg	SW8081B
				Endrin	ND	0.0012 mg/Kg	SW8081B
				Endrin aldehyde	ND	0.0012 mg/Kg	SW8081B
				Endrin ketone	ND	0.0012 mg/Kg	SW8081B
				gamma-BHC	ND	0.0012 mg/Kg	SW8081B
				gamma-Chlordane	ND	0.0012 mg/Kg	SW8081B
				Heptachlor	ND	0.0012 mg/Kg	SW8081B
				Heptachlor epoxide	ND	0.0012 mg/Kg	SW8081B
				Methoxychlor	ND	0.0012 mg/Kg	SW8081B
				Toxaphene	ND	0.17 mg/Kg	SW8081B
L0051459-03A	Soil	P-2-8	12/4/2014 10:59:00	Diesel Range Organics (C10-C28)	ND	9.8 mg/Kg	SW8015C
L0051459-05A	Soil	P-3-7	12/4/2014 11:24:00	Diesel Range Organics (C10-C28)	ND	10 mg/Kg	SW8015C
L0051459-07A	Soil	P-4-7	12/4/2014 11:59:00	Diesel Range Organics (C10-C28)	ND	9.8 mg/Kg	SW8015C

Qualifiers:

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

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

Date: Wednesday, December 24, 2014

*******SUMMARY REPORT*******

Company: PPM CONSULTANTS, INC. **Project:** 115409

Site: HOLLY RIDGE NW (115409)

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
L0051459-09A	Soil	P-5-7	12/4/2014 1:23:00 P	1,1,1,2-Tetrachloroethane	ND	0.005 mg/Kg	SW8260B
				1,1,1-Trichloroethane	ND	0.005 mg/Kg	SW8260B
				1,1,2,2-Tetrachloroethane	ND	0.002 mg/Kg	SW8260B
				1,1,2-Trichloroethane	ND	0.005 mg/Kg	SW8260B
				1,1-Dichloroethane	ND	0.005 mg/Kg	SW8260B
				1,1-Dichloroethene	ND	0.005 mg/Kg	SW8260B
				1,2-Dibromo-3-chloropropane	ND	0.003 mg/Kg	SW8260B
				1,2-Dichlorobenzene	ND	0.005 mg/Kg	SW8260B
				1,2-Dichloroethane	ND	0.005 mg/Kg	SW8260B
				1,2-Dichloroethene (total)	ND	0.005 mg/Kg	SW8260B
				1,2-Dichloropropane	ND	0.005 mg/Kg	SW8260B
				1,3-Dichlorobenzene	ND	0.005 mg/Kg	SW8260B
				1,3-Dichloropropene,Total	ND	0.005 mg/Kg	SW8260B
				1,4-Dichlorobenzene	ND	0.005 mg/Kg	SW8260B
				2-Butanone	ND	0.02 mg/Kg	SW8260B
				4-Methyl-2-pentanone	ND	0.01 mg/Kg	SW8260B
				Acetone	ND	0.1 mg/Kg	SW8260B
				Benzene	ND	0.005 mg/Kg	SW8260B
				Bromodichloromethane	ND	0.005 mg/Kg	SW8260B
				Bromoform	ND	0.005 mg/Kg	SW8260B
				Bromomethane	ND	0.01 mg/Kg	SW8260B
				Carbon disulfide	ND	0.005 mg/Kg	SW8260B
				Carbon tetrachloride	ND	0.005 mg/Kg	SW8260B
				Chlorobenzene	ND	0.005 mg/Kg	SW8260B
				Chloroethane	ND	0.005 mg/Kg	SW8260B
				Chloroform	ND	0.005 mg/Kg	SW8260B
				Chloromethane	ND	0.01 mg/Kg	SW8260B
				cis-1,2-Dichloroethene	ND	0.005 mg/Kg	SW8260B
				cis-1,3-Dichloropropene	ND	0.005 mg/Kg	SW8260B
				Dibromochloromethane	ND	0.005 mg/Kg	SW8260B
				Ethylbenzene	ND	0.005 mg/Kg	SW8260B
				Hexachloroethane	ND	0.005 mg/Kg	SW8260B
				Isobutyl alcohol	ND	0.1 mg/Kg	SW8260B
				m,p-Xylene	ND	0.005 mg/Kg	SW8260B
				Methyl tert-butyl ether	ND	0.005 mg/Kg	SW8260B
				Methylene chloride	ND	0.01 mg/Kg	SW8260B
				o-Xylene	ND	0.005 mg/Kg	SW8260B
				Styrene	ND	0.005 mg/Kg	SW8260B
				Tetrachloroethene	ND	0.005 mg/Kg	SW8260B

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

Date: Wednesday, December 24, 2014

*****SUMMARY REPORT*****

Company: PPM CONSULTANTS, INC. **Project:** 115409

Site: HOLLY RIDGE NW (115409)

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
L0051459-09A	Soil	P-5-7	12/4/2014 1:23:00 P	Toluene	0.007	0.005 mg/Kg	SW8260B
				trans-1,2-Dichloroethene	ND	0.005 mg/Kg	SW8260B
				trans-1,3-Dichloropropene	ND	0.005 mg/Kg	SW8260B
				Trichloroethene	ND	0.005 mg/Kg	SW8260B
				Trichlorofluoromethane	ND	0.005 mg/Kg	SW8260B
				Vinyl chloride	ND	0.005 mg/Kg	SW8260B
				Xylenes,Total	ND	0.005 mg/Kg	SW8260B

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*******SUMMARY REPORT*******

Company: PPM CONSULTANTS, INC. **Project: 115409**

Site: HOLLY RIDGE NW (115409)

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
L0051459-09B	Soil	P-5-7	12/4/2014 1:23:00 P	4,4´-DDD	ND	0.0012 mg/Kg	SW8081B
				4,4´-DDE	ND	0.0012 mg/Kg	SW8081B
				4,4´-DDT	ND	0.0012 mg/Kg	SW8081B
				Aldrin	ND	0.0012 mg/Kg	SW8081B
				alpha-BHC	ND	0.0012 mg/Kg	SW8081B
				alpha-Chlordane	ND	0.0012 mg/Kg	SW8081B
				beta-BHC	ND	0.0012 mg/Kg	SW8081B
				Chlordane	ND	0.0067 mg/Kg	SW8081B
				delta-BHC	ND	0.0012 mg/Kg	SW8081B
				Dieldrin	ND	0.0012 mg/Kg	SW8081B
				Endosulfan I	ND	0.0012 mg/Kg	SW8081B
				Endosulfan II	ND	0.0012 mg/Kg	SW8081B
				Endosulfan sulfate	ND	0.0012 mg/Kg	SW8081B
				Endrin	ND	0.0012 mg/Kg	SW8081B
				Endrin aldehyde	ND	0.0012 mg/Kg	SW8081B
				Endrin ketone	ND	0.0012 mg/Kg	SW8081B
				gamma-BHC	ND	0.0012 mg/Kg	SW8081B
				gamma-Chlordane	ND	0.0012 mg/Kg	SW8081B
				Heptachlor	ND	0.0012 mg/Kg	SW8081B
				Heptachlor epoxide	ND	0.0012 mg/Kg	SW8081B
				Methoxychlor	ND	0.0012 mg/Kg	SW8081B
				Toxaphene	ND	0.17 mg/Kg	SW8081B
				1,1-Biphenyl	ND	0.33 mg/Kg	SW8270D
				1,2,4,5-Tetrachlorobenzene	ND	0.17 mg/Kg	SW8270D
				1,2,4-Trichlorobenzene	ND	0.17 mg/Kg	SW8270D
				1,3-Dinitrobenzene	ND	0.17 mg/Kg	SW8270D
				2,3,4,6-Tetrachlorophenol	ND	0.17 mg/Kg	SW8270D
				2,4,5-Trichlorophenol	ND	0.17 mg/Kg	SW8270D
				2,4,6-Trichlorophenol	ND	0.17 mg/Kg	SW8270D
				2,4-Dichlorophenol	ND	0.17 mg/Kg	SW8270D
				2,4-Dimethylphenol	ND	0.17 mg/Kg	SW8270D
				2,4-Dinitrophenol	ND	0.65 mg/Kg	SW8270D
				2,4-Dinitrotoluene	ND	0.17 mg/Kg	SW8270D
				2,6-Dinitrotoluene	ND	0.17 mg/Kg	SW8270D
				2-Chloronaphthalene	ND	0.17 mg/Kg	SW8270D
				2-Chlorophenol	ND	0.17 mg/Kg	SW8270D
				2-Methylnaphthalene	ND	0.033 mg/Kg	SW8270D
				2-Nitroaniline	ND	0.33 mg/Kg	SW8270D
				3,3´-Dichlorobenzidine	ND	0.17 mg/Kg	SW8270D

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*******SUMMARY REPORT*******

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Site: HOLLY RIDGE NW (115409)

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
L0051459-09B	Soil	P-5-7	12/4/2014 1:23:00 P	3-Nitroaniline	ND	0.33 mg/Kg	SW8270D
				4-Chloroaniline	ND	0.17 mg/Kg	SW8270D
				4-Nitroaniline	ND	0.33 mg/Kg	SW8270D
				4-Nitrophenol	ND	0.65 mg/Kg	SW8270D
				Acenaphthene	ND	0.033 mg/Kg	SW8270D
				Acenaphthylene	ND	0.033 mg/Kg	SW8270D
				Aniline	ND	0.064 mg/Kg	SW8270D
				Anthracene	ND	0.033 mg/Kg	SW8270D
				Benz(a)anthracene	ND	0.033 mg/Kg	SW8270D
				Benzo(a)pyrene	ND	0.033 mg/Kg	SW8270D
				Benzo(b)fluoranthene	ND	0.033 mg/Kg	SW8270D
				Benzo(k)fluoranthene	ND	0.033 mg/Kg	SW8270D
				Bis(2-chloroethyl)ether	ND	0.17 mg/Kg	SW8270D
				Bis(2-chloroisopropyl)ether	ND	0.17 mg/Kg	SW8270D
				Bis(2-ethylhexyl)phthalate	ND	0.17 mg/Kg	SW8270D
				Butyl benzyl phthalate	ND	0.17 mg/Kg	SW8270D
				Chrysene	ND	0.033 mg/Kg	SW8270D
				Dibenz(a,h)anthracene	ND	0.033 mg/Kg	SW8270D
				Dibenzofuran	ND	0.17 mg/Kg	SW8270D
				Diethyl phthalate	ND	0.17 mg/Kg	SW8270D
				Dimethyl phthalate	ND	0.17 mg/Kg	SW8270D
				Di-n-octyl phthalate	ND	0.17 mg/Kg	SW8270D
				Fluoranthene	ND	0.033 mg/Kg	SW8270D
				Fluorene	ND	0.033 mg/Kg	SW8270D
				Hexachlorobenzene	ND	0.17 mg/Kg	SW8270D
				Hexachlorobutadiene	ND	0.17 mg/Kg	SW8270D
				Hexachlorocyclopentadiene	ND	0.33 mg/Kg	SW8270D
				Indeno(1,2,3-cd)pyrene	ND	0.033 mg/Kg	SW8270D
				Isophorone	ND	0.17 mg/Kg	SW8270D
				Naphthalene	ND	0.033 mg/Kg	SW8270D
				Nitrobenzene	ND	0.17 mg/Kg	SW8270D
				N-Nitrosodi-n-propylamine	ND	0.17 mg/Kg	SW8270D
				N-Nitrosodiphenylamine	ND	0.17 mg/Kg	SW8270D
				Pentachlorophenol	ND	0.65 mg/Kg	SW8270D
				Phenanthrene	ND	0.033 mg/Kg	SW8270D
				Phenol	ND	0.17 mg/Kg	SW8270D
				Pyrene	ND	0.033 mg/Kg	SW8270D

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Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
L0051459-09D	Soil	P-5-7	12/4/2014 1:23:00 P	Arsenic	ND	1.96 mg/Kg	SW6010B
				Barium	17.3	0.98 mg/Kg	SW6010B
				Cadmium	ND	0.98 mg/Kg	SW6010B
				Chromium	5.44	0.98 mg/Kg	SW6010B
				Lead	1.64	0.98 mg/Kg	SW6010B
				Selenium	ND	1.96 mg/Kg	SW6010B
				Silver	ND	0.98 mg/Kg	SW6010B
				Zinc	9.9	1.96 mg/Kg	SW6010B
				Mercury	ND	0.1 mg/Kg	SW7471B
L0051459-11A	Soil	P-6-8	12/4/2014 2:13:00 P	Diesel Range Organics (C10-C28)	ND	9.9 mg/Kg	SW8015C
L0051459-11B	Soil	P-6-8	12/4/2014 2:13:00 P	Gasoline Range Organics (C6-C10)	ND	5 mg/Kg	SW8015C
				Benzene	ND	0.05 mg/kg	SW8021B
				BTEX, Total	ND	0.05 mg/kg	SW8021B
				Ethylbenzene	ND	0.05 mg/kg	SW8021B
				m,p-Xylene	ND	0.1 mg/kg	SW8021B
				o-Xylene	ND	0.05 mg/kg	SW8021B
				Toluene	ND	0.05 mg/kg	SW8021B
				Xylenes,Total	ND	0.15 mg/kg	SW8021B

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*******SUMMARY REPORT*******

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Site: HOLLY RIDGE NW (115409)

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
L0051459-12A	Water	PW-1	12/4/2014 3:20:00 P	4,4´-DDD	ND	0.051 ug/L	SW8081B
				4,4´-DDE	ND	0.051 ug/L	SW8081B
				4,4´-DDT	ND	0.051 ug/L	SW8081B
				Aldrin	ND	0.051 ug/L	SW8081B
				alpha-BHC	ND	0.051 ug/L	SW8081B
				alpha-Chlordane	ND	0.051 ug/L	SW8081B
				beta-BHC	ND	0.051 ug/L	SW8081B
				Chlordane	ND	0.2 ug/L	SW8081B
				delta-BHC	ND	0.051 ug/L	SW8081B
				Dieldrin	ND	0.051 ug/L	SW8081B
				Endosulfan I	ND	0.051 ug/L	SW8081B
				Endosulfan II	ND	0.051 ug/L	SW8081B
				Endosulfan sulfate	ND	0.051 ug/L	SW8081B
				Endrin	ND	0.051 ug/L	SW8081B
				Endrin aldehyde	ND	0.051 ug/L	SW8081B
				Endrin ketone	ND	0.051 ug/L	SW8081B
				gamma-BHC	ND	0.051 ug/L	SW8081B
				gamma-Chlordane	ND	0.051 ug/L	SW8081B
				Heptachlor	ND	0.051 ug/L	SW8081B
				Heptachlor epoxide	ND	0.051 ug/L	SW8081B
				Methoxychlor	ND	0.051 ug/L	SW8081B
				Toxaphene	ND	2 ug/L	SW8081B
L0051459-12B	Water	PW-1	12/4/2014 3:20:00 P	2,4,5-T	ND	0.099 ug/L	SW8151A
				2,4,5-TP (Silvex)	ND	0.095 ug/L	SW8151A
				2,4-D	ND	0.94 ug/L	SW8151A
				2,4-DB	ND	0.95 ug/L	SW8151A
				Dalapon	ND	1.1 ug/L	SW8151A
				Dicamba	ND	0.094 ug/L	SW8151A
				Dichloroprop	ND	0.94 ug/L	SW8151A
				Dinoseb	ND	0.47 ug/L	SW8151A
				MCPA	ND	93 ug/L	SW8151A
				MCPP	ND	93 ug/L	SW8151A
L0051459-13A	Water	PW-2	12/4/2014 3:30:00 P	Diesel Range Organics (C10-C28)	ND	100 ug/L	SW8015C
L0051459-14A	Water	PW-3	12/4/2014 3:40:00 P	Diesel Range Organics (C10-C28)	ND	100 ug/L	SW8015C
L0051459-15A	Water	PW-4	12/4/2014 3:50:00 P	Diesel Range Organics (C10-C28)	ND	100 ug/L	SW8015C

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*******SUMMARY REPORT*******

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Site: HOLLY RIDGE NW (115409)

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
L0051459-16A	Water	PW-5	12/4/2014 4:00:00 P	1,2-Dibromo-3-chloropropane	ND	0.021 ug/L	SW8011
				1,1,1,2-Tetrachloroethane	ND	5 ug/L	SW8260B
				1,1,1-Trichloroethane	ND	5 ug/L	SW8260B
				1,1,2,2-Tetrachloroethane	ND	0.5 ug/L	SW8260B
				1,1,2-Trichloroethane	ND	5 ug/L	SW8260B
				1,1-Dichloroethane	ND	5 ug/L	SW8260B
				1,1-Dichloroethene	ND	5 ug/L	SW8260B
				1,2-Dibromo-3-chloropropane	ND	1 ug/L	SW8260B
				1,2-Dichlorobenzene	ND	1 ug/L	SW8260B
				1,2-Dichloroethane	ND	5 ug/L	SW8260B
				1,2-Dichloroethene (total)	ND	5 ug/L	SW8260B
				1,2-Dichloropropane	ND	2 ug/L	SW8260B
				1,3-Dichlorobenzene	ND	1 ug/L	SW8260B
				1,3-Dichloropropene,Total	ND	5 ug/L	SW8260B
				1,4-Dichlorobenzene	ND	1 ug/L	SW8260B
				2-Butanone	ND	10 ug/L	SW8260B
				4-Methyl-2-pentanone	ND	10 ug/L	SW8260B
				Acetone	ND	50 ug/L	SW8260B
				Benzene	ND	5 ug/L	SW8260B
				Bromodichloromethane	ND	5 ug/L	SW8260B
				Bromoform	ND	5 ug/L	SW8260B
				Bromomethane	ND	10 ug/L	SW8260B
				Carbon disulfide	ND	5 ug/L	SW8260B
				Carbon tetrachloride	ND	5 ug/L	SW8260B
				Chlorobenzene	ND	5 ug/L	SW8260B
				Chloroethane	ND	5 ug/L	SW8260B
				Chloroform	ND	5 ug/L	SW8260B
				Chloromethane	ND	5 ug/L	SW8260B
				cis-1,2-Dichloroethene	ND	5 ug/L	SW8260B
				cis-1,3-Dichloropropene	ND	3 ug/L	SW8260B
				Dibromochloromethane	ND	5 ug/L	SW8260B
				Ethylbenzene	ND	5 ug/L	SW8260B
				Hexachloroethane	ND	5 ug/L	SW8260B
				Isobutyl alcohol	ND	100 ug/L	SW8260B
				m,p-Xylene	ND	5 ug/L	SW8260B
				Methyl tert-butyl ether	ND	1 ug/L	SW8260B
				Methylene chloride	ND	5 ug/L	SW8260B
				o-Xylene	ND	5 ug/L	SW8260B
				Styrene	ND	5 ug/L	SW8260B

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*****SUMMARY REPORT*****

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Site: HOLLY RIDGE NW (115409)

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
L0051459-16A	Water	PW-5	12/4/2014 4:00:00 P	Tetrachloroethene	ND	5 ug/L	SW8260B
				Toluene	ND	5 ug/L	SW8260B
				trans-1,2-Dichloroethene	ND	5 ug/L	SW8260B
				trans-1,3-Dichloropropene	ND	3 ug/L	SW8260B
				Trichloroethene	ND	5 ug/L	SW8260B
				Trichlorofluoromethane	ND	5 ug/L	SW8260B
				Vinyl chloride	ND	1 ug/L	SW8260B
				Xylenes,Total	ND	5 ug/L	SW8260B

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*******SUMMARY REPORT*******

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Site: HOLLY RIDGE NW (115409)

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
L0051459-16B	Water	PW-5	12/4/2014 4:00:00 P	1,1-Biphenyl	ND	10 ug/L	SW8270D
				1,2,4,5-Tetrachlorobenzene	ND	1.1 ug/L	SW8270D
				1,2,4-Trichlorobenzene	ND	5.1 ug/L	SW8270D
				1,3-Dinitrobenzene	ND	10 ug/L	SW8270D
				2,3,4,6-Tetrachlorophenol	ND	10 ug/L	SW8270D
				2,4,5-Trichlorophenol	ND	5.1 ug/L	SW8270D
				2,4,6-Trichlorophenol	ND	5.1 ug/L	SW8270D
				2,4-Dichlorophenol	ND	5.1 ug/L	SW8270D
				2,4-Dimethylphenol	ND	5.1 ug/L	SW8270D
				2,4-Dinitrophenol	ND	10 ug/L	SW8270D
				2,4-Dinitrotoluene	ND	5.1 ug/L	SW8270D
				2,6-Dinitrotoluene	ND	3.7 ug/L	SW8270D
				2-Chloronaphthalene	ND	5.1 ug/L	SW8270D
				2-Chlorophenol	ND	3 ug/L	SW8270D
				2-Methylnaphthalene	ND	0.2 ug/L	SW8270D
				2-Nitroaniline	ND	5.1 ug/L	SW8270D
				3,3´-Dichlorobenzidine	ND	5.1 ug/L	SW8270D
				3-Nitroaniline	ND	1.8 ug/L	SW8270D
				4-Chloroaniline	ND	5.1 ug/L	SW8270D
				4-Nitroaniline	ND	5.1 ug/L	SW8270D
				4-Nitrophenol	ND	20 ug/L	SW8270D
				Acenaphthene	ND	0.2 ug/L	SW8270D
				Acenaphthylene	ND	0.2 ug/L	SW8270D
				Aniline	ND	5.1 ug/L	SW8270D
				Anthracene	ND	1 ug/L	SW8270D
				Benz(a)anthracene	ND	0.2 ug/L	SW8270D
				Benzo(a)pyrene	ND	0.2 ug/L	SW8270D
				Benzo(b)fluoranthene	ND	0.2 ug/L	SW8270D
				Benzo(k)fluoranthene	ND	0.2 ug/L	SW8270D
				Bis(2-chloroethyl)ether	ND	5.1 ug/L	SW8270D
				Bis(2-chloroisopropyl)ether	ND	5.1 ug/L	SW8270D
				Bis(2-ethylhexyl)phthalate	ND	5.1 ug/L	SW8270D
				Butyl benzyl phthalate	ND	5.1 ug/L	SW8270D
				Chrysene	ND	0.2 ug/L	SW8270D
				Dibenz(a,h)anthracene	ND	0.2 ug/L	SW8270D
				Dibenzofuran	ND	5.1 ug/L	SW8270D
				Diethyl phthalate	ND	5.1 ug/L	SW8270D
				Dimethyl phthalate	ND	5.1 ug/L	SW8270D
				Di-n-octyl phthalate	ND	5.1 ug/L	SW8270D

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Site: HOLLY RIDGE NW (115409)

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
L0051459-16B	Water	PW-5	12/4/2014 4:00:00 P	Fluoranthene	ND	0.2 ug/L	SW8270D
				Fluorene	ND	0.2 ug/L	SW8270D
				Hexachlorobenzene	ND	1 ug/L	SW8270D
				Hexachlorobutadiene	ND	0.51 ug/L	SW8270D
				Hexachlorocyclopentadiene	ND	10 ug/L	SW8270D
				Indeno(1,2,3-cd)pyrene	ND	0.2 ug/L	SW8270D
				Isophorone	ND	5.1 ug/L	SW8270D
				Naphthalene	ND	0.2 ug/L	SW8270D
				Nitrobenzene	ND	1 ug/L	SW8270D
				N-Nitrosodi-n-propylamine	ND	5.1 ug/L	SW8270D
				N-Nitrosodiphenylamine	ND	5.1 ug/L	SW8270D
				Pentachlorophenol	ND	1 ug/L	SW8270D
				Phenanthrene	ND	0.2 ug/L	SW8270D
				Phenol	ND	5.1 ug/L	SW8270D
				Pyrene	ND	0.2 ug/L	SW8270D
L0051459-16C	Water	PW-5	12/4/2014 4:00:00 P	4,4´-DDD	ND	0.05 ug/L	SW8081B
				4,4´-DDE	ND	0.05 ug/L	SW8081B
				4,4´-DDT	ND	0.05 ug/L	SW8081B
				Aldrin	ND	0.05 ug/L	SW8081B
				alpha-BHC	ND	0.05 ug/L	SW8081B
				alpha-Chlordane	ND	0.05 ug/L	SW8081B
				beta-BHC	ND	0.05 ug/L	SW8081B
				Chlordane	ND	0.2 ug/L	SW8081B
				delta-BHC	ND	0.05 ug/L	SW8081B
				Dieldrin	ND	0.05 ug/L	SW8081B
				Endosulfan I	ND	0.05 ug/L	SW8081B
				Endosulfan II	ND	0.05 ug/L	SW8081B
				Endosulfan sulfate	ND	0.05 ug/L	SW8081B
				Endrin	ND	0.05 ug/L	SW8081B
				Endrin aldehyde	ND	0.05 ug/L	SW8081B
				Endrin ketone	ND	0.05 ug/L	SW8081B
				gamma-BHC	ND	0.05 ug/L	SW8081B
				gamma-Chlordane	ND	0.05 ug/L	SW8081B
				Heptachlor	ND	0.05 ug/L	SW8081B
				Heptachlor epoxide	ND	0.05 ug/L	SW8081B
				Methoxychlor	ND	0.05 ug/L	SW8081B
				Toxaphene	ND	2 ug/L	SW8081B

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated Value between MDL and PQL
>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference

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

Date: Wednesday, December 24, 2014

*******SUMMARY REPORT*******

Company: PPM CONSULTANTS, INC. **Project: 115409**

Site: HOLLY RIDGE NW (115409)

Workorder	Matrix	Client ID	Collected	Compound	Result	Det Limit	Method
L0051459-16D	Water	PW-5	12/4/2014 4:00:00 P	2,4,5-T	ND	0.099 ug/L	SW8151A
				2,4,5-TP (Silvex)	ND	0.095 ug/L	SW8151A
				2,4-D	ND	0.94 ug/L	SW8151A
				2,4-DB	ND	0.95 ug/L	SW8151A
				Dalapon	ND	1.1 ug/L	SW8151A
				Dicamba	ND	0.094 ug/L	SW8151A
				Dichloroprop	ND	0.94 ug/L	SW8151A
				Dinoseb	ND	0.47 ug/L	SW8151A
				MCPA	ND	93 ug/L	SW8151A
				MCPP	ND	93 ug/L	SW8151A
L0051459-17A	Water	PW-6	12/4/2014 4:10:00 P	Diesel Range Organics (C10-C28)	ND	100 ug/L	SW8015C
L0051459-17B	Water	PW-6	12/4/2014 4:10:00 P	Gasoline Range Organics (C6-C10)	ND	100 ug/L	SW8015C
				Benzene	ND	1 ug/L	SW8021B
				BTEX, Total	ND	5 ug/L	SW8021B
				Ethylbenzene	ND	1 ug/L	SW8021B
				m,p-Xylene	ND	5 ug/L	SW8021B
				o-Xylene	ND	5 ug/L	SW8021B
				Toluene	ND	5 ug/L	SW8021B
				Xylenes,Total	ND	5 ug/L	SW8021B

Qualifiers:

ND/U - Not Detected at the Reporting Limit
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ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Client Sample ID: P-1-8 **Collected:** 12/04/2014 10:37 **Lab Sample ID:** L0051459-01

Site: HOLLY RIDGE NW (115409)

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ORGANOCHLORINE PESTICIDES BY METHOD 8081B - SOIL			**MCL**		**SW8081B**	**Units: mg/Kg**		
4,4´-DDD	ND			0.0012	1	12/10/14 14:58	E_G	5801970
4,4´-DDE	ND			0.0012	1	12/10/14 14:58	E_G	5801970
4,4´-DDT	ND			0.0012	1	12/10/14 14:58	E_G	5801970
Aldrin	ND			0.0012	1	12/10/14 14:58	E_G	5801970
alpha-BHC	ND			0.0012	1	12/10/14 14:58	E_G	5801970
alpha-Chlordane	ND			0.0012	1	12/10/14 14:58	E_G	5801970
beta-BHC	ND			0.0012	1	12/10/14 14:58	E_G	5801970
Chlordane	ND			0.0067	1	12/10/14 14:58	E_G	5801970
delta-BHC	ND			0.0012	1	12/10/14 14:58	E_G	5801970
Dieldrin	ND			0.0012	1	12/10/14 14:58	E_G	5801970
Endosulfan I	ND			0.0012	1	12/10/14 14:58	E_G	5801970
Endosulfan II	ND			0.0012	1	12/10/14 14:58	E_G	5801970
Endosulfan sulfate	ND			0.0012	1	12/10/14 14:58	E_G	5801970
Endrin	ND			0.0012	1	12/10/14 14:58	E_G	5801970
Endrin aldehyde	ND			0.0012	1	12/10/14 14:58	E_G	5801970
Endrin ketone	ND			0.0012	1	12/10/14 14:58	E_G	5801970
gamma-BHC	ND			0.0012	1	12/10/14 14:58	E_G	5801970
gamma-Chlordane	ND			0.0012	1	12/10/14 14:58	E_G	5801970
Heptachlor	ND			0.0012	1	12/10/14 14:58	E_G	5801970
Heptachlor epoxide	ND			0.0012	1	12/10/14 14:58	E_G	5801970
Methoxychlor	ND			0.0012	1	12/10/14 14:58	E_G	5801970
Toxaphene	ND			0.17	1	12/10/14 14:58	E_G	5801970
Surr: Decachlorobiphenyl	113		%	10-185	1	12/10/14 14:58	E_G	5801970
Surr: Tetrachloro-m-xylene	106		%	10-172	1	12/10/14 14:58	E_G	5801970

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	12/10/2014 8:40	JNY	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

12/24/2014 8:53:53 AM

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

Client Sample ID: P-2-8 **Collected:** 12/04/2014 10:59 **Lab Sample ID:** L0051459-03

Site: HOLLY RIDGE NW (115409)

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C			**MCL**	**SW8015C**	**Units: mg/Kg**			
Diesel Range Organics (C10-C28)	ND			9.8	1	12/10/14 19:01	JT1	5802441
Surr: o-Terphenyl	60.9		%	39-100	1	12/10/14 19:01	JT1	5802441

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	12/10/2014 8:30	JNY	0.98

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

12/24/2014 8:53:55 AM

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

Client Sample ID: P-3-7 **Collected:** 12/04/2014 11:24 **Lab Sample ID:** L0051459-05

Site: HOLLY RIDGE NW (115409)

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				**MCL**	**SW8015C**	**Units: mg/Kg**		
Diesel Range Organics (C10-C28)	ND			10	1	12/10/14 19:19	JT1	5802442
Surr: o-Terphenyl	90.7		%	39-100	1	12/10/14 19:19	JT1	5802442

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	12/10/2014 8:30	JNY	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

12/24/2014 8:53:59 AM

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

Client Sample ID: P-4-7 **Collected:** 12/04/2014 11:59 **Lab Sample ID:** L0051459-07

Site: HOLLY RIDGE NW (115409)

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C			**MCL**	**SW8015C**	**Units: mg/Kg**			
Diesel Range Organics (C10-C28)	ND			9.8	1	12/10/14 19:38	JT1	5802443
Surr: o-Terphenyl	75.1		%	39-100	1	12/10/14 19:38	JT1	5802443

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	12/10/2014 8:30	JNY	0.98

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

12/24/2014 8:54:01 AM

ACCUTEST LABORATORIES

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

Client Sample ID: P-5-7 **Collected:** 12/04/2014 13:23 **Lab Sample ID:** L0051459-09

Site: HOLLY RIDGE NW (115409)

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	12/10/14 11:10	SA1	5801212

Prep Method	Prep Date	Prep Initials	Prep Factor
SW7471A	12/10/2014 9:00	SA1	1.00

ORGANOCHLORINE PESTICIDES BY METHOD 8081B - SOIL			MCL	SW8081B	Units: mg/Kg		
4,4´-DDD	ND		0.0012	1	12/10/14 16:23	E_G	5801973
4,4´-DDE	ND		0.0012	1	12/10/14 16:23	E_G	5801973
4,4´-DDT	ND		0.0012	1	12/10/14 16:23	E_G	5801973
Aldrin	ND		0.0012	1	12/10/14 16:23	E_G	5801973
alpha-BHC	ND		0.0012	1	12/10/14 16:23	E_G	5801973
alpha-Chlordane	ND		0.0012	1	12/10/14 16:23	E_G	5801973
beta-BHC	ND		0.0012	1	12/10/14 16:23	E_G	5801973
Chlordane	ND		0.0067	1	12/10/14 16:23	E_G	5801973
delta-BHC	ND		0.0012	1	12/10/14 16:23	E_G	5801973
Dieldrin	ND		0.0012	1	12/10/14 16:23	E_G	5801973
Endosulfan I	ND		0.0012	1	12/10/14 16:23	E_G	5801973
Endosulfan II	ND		0.0012	1	12/10/14 16:23	E_G	5801973
Endosulfan sulfate	ND		0.0012	1	12/10/14 16:23	E_G	5801973
Endrin	ND		0.0012	1	12/10/14 16:23	E_G	5801973
Endrin aldehyde	ND		0.0012	1	12/10/14 16:23	E_G	5801973
Endrin ketone	ND		0.0012	1	12/10/14 16:23	E_G	5801973
gamma-BHC	ND		0.0012	1	12/10/14 16:23	E_G	5801973
gamma-Chlordane	ND		0.0012	1	12/10/14 16:23	E_G	5801973
Heptachlor	ND		0.0012	1	12/10/14 16:23	E_G	5801973
Heptachlor epoxide	ND		0.0012	1	12/10/14 16:23	E_G	5801973
Methoxychlor	ND		0.0012	1	12/10/14 16:23	E_G	5801973
Toxaphene	ND		0.17	1	12/10/14 16:23	E_G	5801973
Surr: Decachlorobiphenyl	99.5	%	10-185	1	12/10/14 16:23	E_G	5801973
Surr: Tetrachloro-m-xylene	112	%	10-172	1	12/10/14 16:23	E_G	5801973

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	12/10/2014 8:40	JNY	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

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

Client Sample ID: P-5-7 **Collected:** 12/04/2014 13:23 **Lab Sample ID:** L0051459-09

Site: HOLLY RIDGE NW (115409)

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	12/11/14 4:20	HJL	5803311
1,2,4,5-Tetrachlorobenzene	ND		0.17	1.1	1	12/11/14 4:20	HJL	5803311
1,2,4-Trichlorobenzene	ND		0.17	14	1	12/11/14 4:20	HJL	5803311
1,3-Dinitrobenzene	ND		0.17	0.25	1	12/11/14 4:20	HJL	5803311
2,3,4,6-Tetrachlorophenol	ND		0.17	31	1	12/11/14 4:20	HJL	5803311
2,4,5-Trichlorophenol	ND		0.17	320	1	12/11/14 4:20	HJL	5803311
2,4,6-Trichlorophenol	ND		0.17	1.3	1	12/11/14 4:20	HJL	5803311
2,4-Dichlorophenol	ND		0.17	12	1	12/11/14 4:20	HJL	5803311
2,4-Dimethylphenol	ND		0.17	20	1	12/11/14 4:20	HJL	5803311
2,4-Dinitrophenol	ND		0.65	1.7	1	12/11/14 4:20	HJL	5803311
2,4-Dinitrotoluene	ND		0.17	1	1	12/11/14 4:20	HJL	5803311
2,6-Dinitrotoluene	ND		0.17	0.39	1	12/11/14 4:20	HJL	5803311
2-Chloronaphthalene	ND		0.17	370	1	12/11/14 4:20	HJL	5803311
2-Chlorophenol	ND		0.17	1.4	1	12/11/14 4:20	HJL	5803311
2-Methylnaphthalene	ND		0.033	1.7	1	12/11/14 4:20	HJL	5803311
2-Nitroaniline	ND		0.33	1.7	1	12/11/14 4:20	HJL	5803311
3,3´-Dichlorobenzidine	ND		0.17	0.9	1	12/11/14 4:20	HJL	5803311
3-Nitroaniline	ND		0.33	1.7	1	12/11/14 4:20	HJL	5803311
4-Chloroaniline	ND		0.17	1.5	1	12/11/14 4:20	HJL	5803311
4-Nitroaniline	ND		0.33	1.7	1	12/11/14 4:20	HJL	5803311
4-Nitrophenol	ND		0.65	2.6	1	12/11/14 4:20	HJL	5803311
Acenaphthene	ND		0.033	220	1	12/11/14 4:20	HJL	5803311
Acenaphthylene	ND		0.033	88	1	12/11/14 4:20	HJL	5803311
Aniline	ND		0.064	0.065	1	12/11/14 4:20	HJL	5803311
Anthracene	ND		0.033	120	1	12/11/14 4:20	HJL	5803311
Benz(a)anthracene	ND		0.033	330	1	12/11/14 4:20	HJL	5803311
Benzo(a)pyrene	ND		0.033	0.33	1	12/11/14 4:20	HJL	5803311
Benzo(b)fluoranthene	ND		0.033	0.62	1	12/11/14 4:20	HJL	5803311
Benzo(k)fluoranthene	ND		0.033	6.2	1	12/11/14 4:20	HJL	5803311
Bis(2-chloroethyl)ether	ND		0.17	0.33	1	12/11/14 4:20	HJL	5803311
Bis(2-chloroisopropyl)ether	ND		0.17	0.8	1	12/11/14 4:20	HJL	5803311
Bis(2-ethylhexyl)phthalate	ND		0.17	32	1	12/11/14 4:20	HJL	5803311
Butyl benzyl phthalate	ND		0.17	220	1	12/11/14 4:20	HJL	5803311
Chrysene	ND		0.033	62	1	12/11/14 4:20	HJL	5803311
Dibenz(a,h)anthracene	ND		0.033	0.33	1	12/11/14 4:20	HJL	5803311
Dibenzofuran	ND		0.17	21	1	12/11/14 4:20	HJL	5803311

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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

12/24/2014 8:54:09 AM

ACCUTEST LABORATORIES

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

Client Sample ID: P-5-7 **Collected:** 12/04/2014 13:23 **Lab Sample ID:** L0051459-09

Site: HOLLY RIDGE NW (115409)

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP SEMIVOLATILE ORGANICS BY EPA 8270D				**MCL**	**SW8270D**	**Units: mg/Kg**		
Diethyl phthalate	ND		0.17	360	1	12/11/14 4:20	HJL	5803311
Dimethyl phthalate	ND		0.17	1500	1	12/11/14 4:20	HJL	5803311
Di-n-octyl phthalate	ND		0.17	110	1	12/11/14 4:20	HJL	5803311
Fluoranthene	ND		0.033	220	1	12/11/14 4:20	HJL	5803311
Fluorene	ND		0.033	230	1	12/11/14 4:20	HJL	5803311
Hexachlorobenzene	ND		0.17	0.33	1	12/11/14 4:20	HJL	5803311
Hexachlorobutadiene	ND		0.17	0.77	1	12/11/14 4:20	HJL	5803311
Hexachlorocyclopentadiene	ND		0.33	0.51	1	12/11/14 4:20	HJL	5803311
Indeno(1,2,3-cd)pyrene	ND		0.033	0.62	1	12/11/14 4:20	HJL	5803311
Isophorone	ND		0.17	0.56	1	12/11/14 4:20	HJL	5803311
Naphthalene	ND		0.033	1.5	1	12/11/14 4:20	HJL	5803311
Nitrobenzene	ND		0.17	0.33	1	12/11/14 4:20	HJL	5803311
N-Nitrosodi-n-propylamine	ND		0.17	0.33	1	12/11/14 4:20	HJL	5803311
N-Nitrosodiphenylamine	ND		0.17	2.1	1	12/11/14 4:20	HJL	5803311
Pentachlorophenol	ND		0.65	1.7	1	12/11/14 4:20	HJL	5803311
Phenanthrene	ND		0.033	660	1	12/11/14 4:20	HJL	5803311
Phenol	ND		0.17	22	1	12/11/14 4:20	HJL	5803311
Pyrene	ND		0.033	230	1	12/11/14 4:20	HJL	5803311
Surr: 2,4,6-Tribromophenol	49.2		% 7-142		1	12/11/14 4:20	HJL	5803311
Surr: 2-Fluorobiphenyl	62.2		% 47-126		1	12/11/14 4:20	HJL	5803311
Surr: 2-Fluorophenol	79.7		% 15-133		1	12/11/14 4:20	HJL	5803311
Surr: 4-Terphenyl-d14	65.8		% 56-124		1	12/11/14 4:20	HJL	5803311
Surr: Nitrobenzene-d5	66.5		% 43-128		1	12/11/14 4:20	HJL	5803311
Surr: Phenol-d5	64.7		% 21-127		1	12/11/14 4:20	HJL	5803311

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	12/10/2014 8:35	JNY	0.99

TOTAL METALS BY METHOD 6010B - SOLID				**MCL**	**SW6010B**	**Units: mg/Kg**		
Arsenic	ND		1.96		1	12/09/14 13:41	RST	5800349
Barium	17.3		0.98		1	12/09/14 13:41	RST	5800349
Cadmium	ND		0.98		1	12/09/14 13:41	RST	5800349
Chromium	5.44		0.98		1	12/09/14 13:41	RST	5800349
Lead	1.64		0.98		1	12/09/14 13:41	RST	5800349
Selenium	ND		1.96		1	12/09/14 13:41	RST	5800349
Silver	ND		0.98		1	12/09/14 13:41	RST	5800349
Zinc	9.9		1.96		1	12/09/14 13:41	RST	5800349

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

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

Client Sample ID: P-5-7 **Collected:** 12/04/2014 13:23 **Lab Sample ID:** L0051459-09

Site: **HOLLY RIDGE NW (115409)**

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

TOTAL METALS BY METHOD 6010B - SOLID **MCL** **SW6010B** **Units: mg/Kg**

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3050B	12/09/2014 8:36	LAB	0.98

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

12/24/2014 8:54:14 AM

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

Client Sample ID: P-5-7 **Collected:** 12/04/2014 13:23 **Lab Sample ID:** L0051459-09

Site: HOLLY RIDGE NW (115409)

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	12/10/14 15:29	SNV	5802294
1,1,1-Trichloroethane	ND		0.005	4	1	12/10/14 15:29	SNV	5802294
1,1,2,2-Tetrachloroethane	ND		0.002	0.006	1	12/10/14 15:29	SNV	5802294
1,1,2-Trichloroethane	ND		0.005	0.058	1	12/10/14 15:29	SNV	5802294
1,1-Dichloroethane	ND		0.005	7.5	1	12/10/14 15:29	SNV	5802294
1,1-Dichloroethene	ND		0.005	0.085	1	12/10/14 15:29	SNV	5802294
1,2-Dibromo-3-chloropropane	ND		0.003	0.01	1	12/10/14 15:29	SNV	5802294
1,2-Dichlorobenzene	ND		0.005	18	1	12/10/14 15:29	SNV	5802294
1,2-Dichloroethane	ND		0.005	0.035	1	12/10/14 15:29	SNV	5802294
1,2-Dichloropropane	ND		0.005	0.042	1	12/10/14 15:29	SNV	5802294
1,3-Dichlorobenzene	ND		0.005	2.3	1	12/10/14 15:29	SNV	5802294
1,4-Dichlorobenzene	ND		0.005	5.7	1	12/10/14 15:29	SNV	5802294
2-Butanone	ND		0.02	5	1	12/10/14 15:29	SNV	5802294
4-Methyl-2-pentanone	ND		0.01	0.45	1	12/10/14 15:29	SNV	5802294
Acetone	ND		0.1	1.5	1	12/10/14 15:29	SNV	5802294
Benzene	ND		0.005	0.051	1	12/10/14 15:29	SNV	5802294
Bromodichloromethane	ND		0.005	0.92	1	12/10/14 15:29	SNV	5802294
Bromoform	ND		0.005	1.8	1	12/10/14 15:29	SNV	5802294
Bromomethane	ND		0.01	0.035	1	12/10/14 15:29	SNV	5802294
Carbon disulfide	ND		0.005	11	1	12/10/14 15:29	SNV	5802294
Carbon tetrachloride	ND		0.005	0.11	1	12/10/14 15:29	SNV	5802294
Chlorobenzene	ND		0.005	3	1	12/10/14 15:29	SNV	5802294
Chloroethane	ND		0.005	0.013	1	12/10/14 15:29	SNV	5802294
Chloroform	ND		0.005	0.046	1	12/10/14 15:29	SNV	5802294
Chloromethane	ND		0.01	0.1	1	12/10/14 15:29	SNV	5802294
Dibromochloromethane	ND		0.005	1	1	12/10/14 15:29	SNV	5802294
Ethylbenzene	ND		0.005	19	1	12/10/14 15:29	SNV	5802294
Hexachloroethane	ND		0.005	0.17	1	12/10/14 15:29	SNV	5802294
Isobutyl alcohol	ND		0.1	30	1	12/10/14 15:29	SNV	5802294
Methyl tert-butyl ether	ND		0.005	0.077	1	12/10/14 15:29	SNV	5802294
Methylene chloride	ND		0.01	0.017	1	12/10/14 15:29	SNV	5802294
Styrene	ND		0.005	11	1	12/10/14 15:29	SNV	5802294
Tetrachloroethene	ND		0.005	0.18	1	12/10/14 15:29	SNV	5802294
Toluene	0.007		0.005	20	1	12/10/14 15:29	SNV	5802294
Trichloroethene	ND		0.005	0.073	1	12/10/14 15:29	SNV	5802294
Trichlorofluoromethane	ND		0.005	37	1	12/10/14 15:29	SNV	5802294

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

ACCUTEST LABORATORIES

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

Client Sample ID: P-5-7 **Collected:** 12/04/2014 13:23 **Lab Sample ID:** L0051459-09

Site: HOLLY RIDGE NW (115409)

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS-RECAP METHOD 8260B					**MCL**	**SW8260B**	**Units: mg/Kg**		
Vinyl chloride	ND			0.005	0.013	1	12/10/14 15:29	SNV	5802294
cis-1,3-Dichloropropene	ND			0.005	0.04	1	12/10/14 15:29	SNV	5802294
trans-1,3-Dichloropropene	ND			0.005	0.04	1	12/10/14 15:29	SNV	5802294
cis-1,2-Dichloroethene	ND			0.005	0.49	1	12/10/14 15:29	SNV	5802294
trans-1,2-Dichloroethene	ND			0.005	0.77	1	12/10/14 15:29	SNV	5802294
m,p-Xylene	ND			0.005	150	1	12/10/14 15:29	SNV	5802294
o-Xylene	ND			0.005	150	1	12/10/14 15:29	SNV	5802294
1,3-Dichloropropene,Total	ND			0.005	0.04	1	12/10/14 15:29	SNV	5802294
1,2-Dichloroethene (total)	ND			0.005	0.49	1	12/10/14 15:29	SNV	5802294
Xylenes,Total	ND			0.005	150	1	12/10/14 15:29	SNV	5802294
Surr: 1,2-Dichloroethane-d4	107		%	69-161		1	12/10/14 15:29	SNV	5802294
Surr: 4-Bromofluorobenzene	94.2		%	64-134		1	12/10/14 15:29	SNV	5802294
Surr: Toluene-d8	97.5		%	71-124		1	12/10/14 15:29	SNV	5802294

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	12/05/2014 14:52	MAB	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

12/24/2014 8:54:18 AM

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

Client Sample ID: P-6-8 **Collected:** 12/04/2014 14:13 **Lab Sample ID:** L0051459-11

Site: HOLLY RIDGE NW (115409)

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
BTEX BY METHOD 8021B					**MCL**	**SW8021B**	**Units: mg/kg**	
Benzene	ND			0.05	50	12/09/14 12:27	MRB	5800358
Ethylbenzene	ND			0.05	50	12/09/14 12:27	MRB	5800358
Toluene	ND			0.05	50	12/09/14 12:27	MRB	5800358
m,p-Xylene	ND			0.1	50	12/09/14 12:27	MRB	5800358
o-Xylene	ND			0.05	50	12/09/14 12:27	MRB	5800358
Xylenes,Total	ND			0.15	50	12/09/14 12:27	MRB	5800358
BTEX, Total	ND			0.05	50	12/09/14 12:27	MRB	5800358
Surr: 1,4-Difluorobenzene	95.6		%	54-130	50	12/09/14 12:27	MRB	5800358
Surr: 4-Bromofluorobenzene	100		%	46-172	50	12/09/14 12:27	MRB	5800358

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	12/04/2014 11:01	MAB	1.00

RECAP DIESEL RANGE ORGANICS BY METHOD 8015C					**MCL**	**SW8015C**	**Units: mg/Kg**	
Diesel Range Organics (C10-C28)	ND			9.9	1	12/10/14 20:49	JT1	5802446
Surr: o-Terphenyl	75.7		%	39-100	1	12/10/14 20:49	JT1	5802446

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3546	12/10/2014 8:30	JNY	0.99

RECAP GASOLINE RANGE ORGANICS					**MCL**	**SW8015C**	**Units: mg/Kg**	
Gasoline Range Organics (C6-C10)	ND			5	50	12/10/14 2:06	MRB	5801020
Surr: 1,4-Difluorobenzene	93.3		%	55-138	50	12/10/14 2:06	MRB	5801020
Surr: 4-Bromofluorobenzene	95.7		%	27-169	50	12/10/14 2:06	MRB	5801020

Prep Method	Prep Date	Prep Initials	Prep Factor
SW5035	12/04/2014 11:01	MAB	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

12/24/2014 8:54:22 AM

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

Client Sample ID: PW-1 **Collected:** 12/04/2014 15:20 **Lab Sample ID:** L0051459-12

Site: HOLLY RIDGE NW (115409)

Analyses/Method	Result	QUAL	Rep.Limit		Dil. Factor	Date Analyzed	Analyst	Seq. #
CHLORINATED HERBICIDES BY METHOD 8151A				**MCL**	**SW8151A**	**Units: ug/L**		
2,4,5-T	ND		0.099		1	12/10/14 1:13	E_G	5801387
2,4,5-TP (Silvex)	ND		0.095		1	12/10/14 1:13	E_G	5801387
2,4-D	ND		0.94		1	12/10/14 1:13	E_G	5801387
2,4-DB	ND		0.95		1	12/10/14 1:13	E_G	5801387
Dalapon	ND		1.1		1	12/10/14 1:13	E_G	5801387
Dicamba	ND		0.094		1	12/10/14 1:13	E_G	5801387
Dichloroprop	ND		0.94		1	12/10/14 1:13	E_G	5801387
Dinoseb	ND		0.47		1	12/10/14 1:13	E_G	5801387
MCPA	ND		93		1	12/10/14 1:13	E_G	5801387
MCPP	ND		93		1	12/10/14 1:13	E_G	5801387
Surr: DCAA	39.4		%	3-176	1	12/10/14 1:13	E_G	5801387

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	12/08/2014 16:03	CT	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

12/24/2014 8:54:25 AM

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

Client Sample ID: PW-1 **Collected:** 12/04/2014 15:20 **Lab Sample ID:** L0051459-12

Site: HOLLY RIDGE NW (115409)

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ORGANOCHLORINE PESTICIDES BY EPA 8081B - WATER			**MCL**	**SW8081B**	**Units: ug/L**		
4,4´-DDD	ND		0.051	1	12/10/14 18:45	E_G	5801979
4,4´-DDE	ND		0.051	1	12/10/14 18:45	E_G	5801979
4,4´-DDT	ND		0.051	1	12/10/14 18:45	E_G	5801979
Aldrin	ND		0.051	1	12/10/14 18:45	E_G	5801979
alpha-BHC	ND		0.051	1	12/10/14 18:45	E_G	5801979
alpha-Chlordane	ND		0.051	1	12/10/14 18:45	E_G	5801979
beta-BHC	ND		0.051	1	12/10/14 18:45	E_G	5801979
Chlordane	ND		0.2	1	12/10/14 18:45	E_G	5801979
delta-BHC	ND		0.051	1	12/10/14 18:45	E_G	5801979
Dieldrin	ND		0.051	1	12/10/14 18:45	E_G	5801979
Endosulfan I	ND		0.051	1	12/10/14 18:45	E_G	5801979
Endosulfan II	ND		0.051	1	12/10/14 18:45	E_G	5801979
Endosulfan sulfate	ND		0.051	1	12/10/14 18:45	E_G	5801979
Endrin	ND		0.051	1	12/10/14 18:45	E_G	5801979
Endrin aldehyde	ND		0.051	1	12/10/14 18:45	E_G	5801979
Endrin ketone	ND		0.051	1	12/10/14 18:45	E_G	5801979
gamma-BHC	ND		0.051	1	12/10/14 18:45	E_G	5801979
gamma-Chlordane	ND		0.051	1	12/10/14 18:45	E_G	5801979
Heptachlor	ND		0.051	1	12/10/14 18:45	E_G	5801979
Heptachlor epoxide	ND		0.051	1	12/10/14 18:45	E_G	5801979
Methoxychlor	ND		0.051	1	12/10/14 18:45	E_G	5801979
Toxaphene	ND		2	1	12/10/14 18:45	E_G	5801979
Surr: Decachlorobiphenyl	90.6		% 10-152	1	12/10/14 18:45	E_G	5801979
Surr: Tetrachloro-m-xylene	101		% 10-159	1	12/10/14 18:45	E_G	5801979

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510B	12/09/2014 14:30	KRJ	1.01

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

12/24/2014 8:54:26 AM

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

Client Sample ID: PW-2 **Collected:** 12/04/2014 15:30 **Lab Sample ID:** L0051459-13

Site: HOLLY RIDGE NW (115409)

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C				**MCL**	**SW8015C**	**Units: ug/L**		
Diesel Range Organics (C10-C28)	ND			100	1	12/09/14 1:13	E_G	5800939
Surr: o-Terphenyl	60.9		%	47-125	1	12/09/14 1:13	E_G	5800939

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3511	12/08/2014 14:52	MFF	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

12/24/2014 8:54:28 AM

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

Client Sample ID: PW-3 **Collected:** 12/04/2014 15:40 **Lab Sample ID:** L0051459-14

Site: HOLLY RIDGE NW (115409)

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C			**MCL**	**SW8015C**	**Units: ug/L**		
Diesel Range Organics (C10-C28)	ND		100	1	12/09/14 1:36	E_G	5800940
Surr: o-Terphenyl	77.7	%	47-125	1	12/09/14 1:36	E_G	5800940

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3511	12/08/2014 14:52	MFF	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

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

Client Sample ID: PW-4 **Collected:** 12/04/2014 15:50 **Lab Sample ID:** L0051459-15

Site: HOLLY RIDGE NW (115409)

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C			**MCL**	**SW8015C**	**Units: ug/L**		
Diesel Range Organics (C10-C28)	ND		100	1	12/09/14 2:00	E_G	5800941
Surr: o-Terphenyl	53.8	%	47-125	1	12/09/14 2:00	E_G	5800941

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3511	12/08/2014 14:52	MFF	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

12/24/2014 8:54:31 AM

ACCUTEST LABORATORIES

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

Client Sample ID: PW-5 **Collected:** 12/04/2014 16:00 **Lab Sample ID:** L0051459-16

Site: HOLLY RIDGE NW (115409)

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
CHLORINATED HERBICIDES BY METHOD 8151A			**MCL**	**SW8151A**	**Units: ug/L**		
2,4,5-T	ND		0.099	1	12/10/14 1:45	E_G	5801388
2,4,5-TP (Silvex)	ND		0.095	1	12/10/14 1:45	E_G	5801388
2,4-D	ND		0.94	1	12/10/14 1:45	E_G	5801388
2,4-DB	ND		0.95	1	12/10/14 1:45	E_G	5801388
Dalapon	ND		1.1	1	12/10/14 1:45	E_G	5801388
Dicamba	ND		0.094	1	12/10/14 1:45	E_G	5801388
Dichloroprop	ND		0.94	1	12/10/14 1:45	E_G	5801388
Dinoseb	ND		0.47	1	12/10/14 1:45	E_G	5801388
MCPA	ND		93	1	12/10/14 1:45	E_G	5801388
MCPP	ND		93	1	12/10/14 1:45	E_G	5801388
Surr: DCAA	19.4		% 3-176	1	12/10/14 1:45	E_G	5801388

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	12/08/2014 16:03	CT	1.00

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
EDB & DBCP			**MCL**	**SW8011**	**Units: ug/L**		
1,2-Dibromo-3-chloropropane	ND		0.021	1	12/09/14 15:05	DF	5802887
Surr: 1-Chloro-2-fluorobenzene	96.1		% 32-169	1	12/09/14 15:05	DF	5802887

Prep Method	Prep Date	Prep Initials	Prep Factor
E504	12/08/2014 11:00	AVB	1.05

Qualifiers:

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B - 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

12/24/2014 8:54:35 AM

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

Client Sample ID: PW-5 **Collected:** 12/04/2014 16:00 **Lab Sample ID:** L0051459-16

Site: HOLLY RIDGE NW (115409)

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
ORGANOCHLORINE PESTICIDES BY EPA 8081B - WATER			**MCL**	**SW8081B**	**Units: ug/L**		
4,4´-DDD	ND		0.05	1	12/10/14 19:14	E_G	5801980
4,4´-DDE	ND		0.05	1	12/10/14 19:14	E_G	5801980
4,4´-DDT	ND		0.05	1	12/10/14 19:14	E_G	5801980
Aldrin	ND		0.05	1	12/10/14 19:14	E_G	5801980
alpha-BHC	ND		0.05	1	12/10/14 19:14	E_G	5801980
alpha-Chlordane	ND		0.05	1	12/10/14 19:14	E_G	5801980
beta-BHC	ND		0.05	1	12/10/14 19:14	E_G	5801980
Chlordane	ND		0.2	1	12/10/14 19:14	E_G	5801980
delta-BHC	ND		0.05	1	12/10/14 19:14	E_G	5801980
Dieldrin	ND		0.05	1	12/10/14 19:14	E_G	5801980
Endosulfan I	ND		0.05	1	12/10/14 19:14	E_G	5801980
Endosulfan II	ND		0.05	1	12/10/14 19:14	E_G	5801980
Endosulfan sulfate	ND		0.05	1	12/10/14 19:14	E_G	5801980
Endrin	ND		0.05	1	12/10/14 19:14	E_G	5801980
Endrin aldehyde	ND		0.05	1	12/10/14 19:14	E_G	5801980
Endrin ketone	ND		0.05	1	12/10/14 19:14	E_G	5801980
gamma-BHC	ND		0.05	1	12/10/14 19:14	E_G	5801980
gamma-Chlordane	ND		0.05	1	12/10/14 19:14	E_G	5801980
Heptachlor	ND		0.05	1	12/10/14 19:14	E_G	5801980
Heptachlor epoxide	ND		0.05	1	12/10/14 19:14	E_G	5801980
Methoxychlor	ND		0.05	1	12/10/14 19:14	E_G	5801980
Toxaphene	ND		2	1	12/10/14 19:14	E_G	5801980
Surr: Decachlorobiphenyl	109	%	10-152	1	12/10/14 19:14	E_G	5801980
Surr: Tetrachloro-m-xylene	104	%	10-159	1	12/10/14 19:14	E_G	5801980

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510B	12/09/2014 14:30	KRJ	1.00

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

12/24/2014 8:54:37 AM

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

Client Sample ID: PW-5 **Collected:** 12/04/2014 16:00 **Lab Sample ID:** L0051459-16

Site: HOLLY RIDGE NW (115409)

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY EPA 8270D				**MCL**	**SW8270D**	**Units: ug/L**		
1,1-Biphenyl	ND		10	30	1	12/11/14 18:20	IHK	5804679
1,2,4,5-Tetrachlorobenzene	ND		1.1	1.1	1	12/11/14 18:20	IHK	5804679
1,2,4-Trichlorobenzene	ND		5.1	70	1	12/11/14 18:20	IHK	5804679
1,3-Dinitrobenzene	ND		10	10	1	12/11/14 18:20	IHK	5804679
2,3,4,6-Tetrachlorophenol	ND		10	110	1	12/11/14 18:20	IHK	5804679
2,4,5-Trichlorophenol	ND		5.1	370	1	12/11/14 18:20	IHK	5804679
2,4,6-Trichlorophenol	ND		5.1	10	1	12/11/14 18:20	IHK	5804679
2,4-Dichlorophenol	ND		5.1	11	1	12/11/14 18:20	IHK	5804679
2,4-Dimethylphenol	ND		5.1	73	1	12/11/14 18:20	IHK	5804679
2,4-Dinitrophenol	ND		10	7.3	1	12/11/14 18:20	IHK	5804679
2,4-Dinitrotoluene	ND		5.1	7.3	1	12/11/14 18:20	IHK	5804679
2,6-Dinitrotoluene	ND		3.7	3.7	1	12/11/14 18:20	IHK	5804679
2-Chloronaphthalene	ND		5.1	49	1	12/11/14 18:20	IHK	5804679
2-Chlorophenol	ND		3	3	1	12/11/14 18:20	IHK	5804679
2-Methylnaphthalene	ND		0.2	0.62	1	12/11/14 18:20	IHK	5804679
2-Nitroaniline	ND		5.1	50	1	12/11/14 18:20	IHK	5804679
3,3´-Dichlorobenzidine	ND		5.1	20	1	12/11/14 18:20	IHK	5804679
3-Nitroaniline	ND		1.8	1.8	1	12/11/14 18:20	IHK	5804679
4-Chloroaniline	ND		5.1	15	1	12/11/14 18:20	IHK	5804679
4-Nitroaniline	ND		5.1	11	1	12/11/14 18:20	IHK	5804679
4-Nitrophenol	ND		20	29	1	12/11/14 18:20	IHK	5804679
Acenaphthene	ND		0.2	37	1	12/11/14 18:20	IHK	5804679
Acenaphthylene	ND		0.2	100	1	12/11/14 18:20	IHK	5804679
Aniline	ND		5.1	12	1	12/11/14 18:20	IHK	5804679
Anthracene	ND		1	43	1	12/11/14 18:20	IHK	5804679
Benz(a)anthracene	ND		0.2	7.8	1	12/11/14 18:20	IHK	5804679
Benzo(a)pyrene	ND		0.2	0.2	1	12/11/14 18:20	IHK	5804679
Benzo(b)fluoranthene	ND		0.2	4.8	1	12/11/14 18:20	IHK	5804679
Benzo(k)fluoranthene	ND		0.2	2.5	1	12/11/14 18:20	IHK	5804679
Bis(2-chloroethyl)ether	ND		5.1	10	1	12/11/14 18:20	IHK	5804679
Bis(2-chloroisopropyl)ether	ND		5.1	10	1	12/11/14 18:20	IHK	5804679
Bis(2-ethylhexyl)phthalate	ND		5.1	10	1	12/11/14 18:20	IHK	5804679
Butyl benzyl phthalate	ND		5.1	730	1	12/11/14 18:20	IHK	5804679
Chrysene	ND		0.2	1.6	1	12/11/14 18:20	IHK	5804679
Dibenz(a,h)anthracene	ND		0.2	2.5	1	12/11/14 18:20	IHK	5804679
Dibenzofuran	ND		5.1	10	1	12/11/14 18:20	IHK	5804679

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

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

Client Sample ID: PW-5 **Collected:** 12/04/2014 16:00 **Lab Sample ID:** L0051459-16

Site: HOLLY RIDGE NW (115409)

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY EPA 8270D				**MCL**	**SW8270D**	**Units: ug/L**		
Diethyl phthalate	ND		5.1	2900	1	12/11/14 18:20	IHK	5804679
Dimethyl phthalate	ND		5.1	37000	1	12/11/14 18:20	IHK	5804679
Di-n-octyl phthalate	ND		5.1	20	1	12/11/14 18:20	IHK	5804679
Fluoranthene	ND		0.2	150	1	12/11/14 18:20	IHK	5804679
Fluorene	ND		0.2	24	1	12/11/14 18:20	IHK	5804679
Hexachlorobenzene	ND		1	1	1	12/11/14 18:20	IHK	5804679
Hexachlorobutadiene	ND		0.51	0.73	1	12/11/14 18:20	IHK	5804679
Hexachlorocyclopentadiene	ND		10	50	1	12/11/14 18:20	IHK	5804679
Indeno(1,2,3-cd)pyrene	ND		0.2	3.7	1	12/11/14 18:20	IHK	5804679
Isophorone	ND		5.1	70	1	12/11/14 18:20	IHK	5804679
Naphthalene	ND		0.2	10	1	12/11/14 18:20	IHK	5804679
Nitrobenzene	ND		1	1	1	12/11/14 18:20	IHK	5804679
N-Nitrosodi-n-propylamine	ND		5.1	10	1	12/11/14 18:20	IHK	5804679
N-Nitrosodiphenylamine	ND		5.1	14	1	12/11/14 18:20	IHK	5804679
Pentachlorophenol	ND		1	1	1	12/11/14 18:20	IHK	5804679
Phenanthrene	ND		0.2	180	1	12/11/14 18:20	IHK	5804679
Phenol	ND		5.1	370	1	12/11/14 18:20	IHK	5804679
Pyrene	ND		0.2	18	1	12/11/14 18:20	IHK	5804679
Surr: 2,4,6-Tribromophenol	110		% 30-146		1	12/11/14 18:20	IHK	5804679
Surr: 2-Fluorobiphenyl	115		% 41-124		1	12/11/14 18:20	IHK	5804679
Surr: 2-Fluorophenol	66.4		% 15-94		1	12/11/14 18:20	IHK	5804679
Surr: 4-Terphenyl-d14	114		% 36-129		1	12/11/14 18:20	IHK	5804679
Surr: Nitrobenzene-d5	107		% 40-143		1	12/11/14 18:20	IHK	5804679
Surr: Phenol-d5	35.6		% 9-73		1	12/11/14 18:20	IHK	5804679

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	12/11/2014 8:42	KRJ	1.01

Qualifiers:

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B - 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

12/24/2014 8:54:41 AM

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

Client Sample ID: PW-5 **Collected:** 12/04/2014 16:00 **Lab Sample ID:** L0051459-16

Site: HOLLY RIDGE NW (115409)

Analyses/Method	Result	QUAL	Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS-RECAP METHOD 8260B				**MCL**	**SW8260B**	**Units: ug/L**		
1,1,1,2-Tetrachloroethane	ND		5	5	1	12/11/14 4:30	SNV	5803199
1,1,1-Trichloroethane	ND		5	200	1	12/11/14 4:30	SNV	5803199
1,1,2,2-Tetrachloroethane	ND		0.5	0.5	1	12/11/14 4:30	SNV	5803199
1,1,2-Trichloroethane	ND		5	5	1	12/11/14 4:30	SNV	5803199
1,1-Dichloroethane	ND		5	81	1	12/11/14 4:30	SNV	5803199
1,1-Dichloroethene	ND		5	7	1	12/11/14 4:30	SNV	5803199
1,2-Dibromo-3-chloropropane	ND		1	0.2	1	12/11/14 4:30	SNV	5803199
1,2-Dichlorobenzene	ND		1	600	1	12/11/14 4:30	SNV	5803199
1,2-Dichloroethane	ND		5	5	1	12/11/14 4:30	SNV	5803199
1,2-Dichloropropane	ND		2	5	1	12/11/14 4:30	SNV	5803199
1,3-Dichlorobenzene	ND		1	10	1	12/11/14 4:30	SNV	5803199
1,4-Dichlorobenzene	ND		1	75	1	12/11/14 4:30	SNV	5803199
2-Butanone	ND		10	190	1	12/11/14 4:30	SNV	5803199
4-Methyl-2-pentanone	ND		10	200	1	12/11/14 4:30	SNV	5803199
Acetone	ND		50	100	1	12/11/14 4:30	SNV	5803199
Benzene	ND		5	5	1	12/11/14 4:30	SNV	5803199
Bromodichloromethane	ND		5	100	1	12/11/14 4:30	SNV	5803199
Bromoform	ND		5	100	1	12/11/14 4:30	SNV	5803199
Bromomethane	ND		10	10	1	12/11/14 4:30	SNV	5803199
Carbon disulfide	ND		5	100	1	12/11/14 4:30	SNV	5803199
Carbon tetrachloride	ND		5	5	1	12/11/14 4:30	SNV	5803199
Chlorobenzene	ND		5	100	1	12/11/14 4:30	SNV	5803199
Chloroethane	ND		5	10	1	12/11/14 4:30	SNV	5803199
Chloroform	ND		5	100	1	12/11/14 4:30	SNV	5803199
Chloromethane	ND		5	10	1	12/11/14 4:30	SNV	5803199
Dibromochloromethane	ND		5	100	1	12/11/14 4:30	SNV	5803199
Ethylbenzene	ND		5	700	1	12/11/14 4:30	SNV	5803199
Hexachloroethane	ND		5	10	1	12/11/14 4:30	SNV	5803199
Isobutyl alcohol	ND		100	1100	1	12/11/14 4:30	SNV	5803199
Methyl tert-butyl ether	ND		1	20	1	12/11/14 4:30	SNV	5803199
Methylene chloride	ND		5	5	1	12/11/14 4:30	SNV	5803199
Styrene	ND		5	100	1	12/11/14 4:30	SNV	5803199
Tetrachloroethene	ND		5	5	1	12/11/14 4:30	SNV	5803199
Toluene	ND		5	1000	1	12/11/14 4:30	SNV	5803199
Trichloroethene	ND		5	5	1	12/11/14 4:30	SNV	5803199
Trichlorofluoromethane	ND		5	130	1	12/11/14 4:30	SNV	5803199

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

12/24/2014 8:54:44 AM

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

Client Sample ID: PW-5 **Collected:** 12/04/2014 16:00 **Lab Sample ID:** L0051459-16

Site: HOLLY RIDGE NW (115409)

Analyses/Method	Result	QUAL		Rep.Limit	MCL	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS-RECAP METHOD 8260B					**MCL**	**SW8260B**	**Units: ug/L**		
Vinyl chloride	ND			1	2	1	12/11/14 4:30	SNV	5803199
cis-1,3-Dichloropropene	ND			3	5	1	12/11/14 4:30	SNV	5803199
trans-1,3-Dichloropropene	ND			3	5	1	12/11/14 4:30	SNV	5803199
cis-1,2-Dichloroethene	ND			5	70	1	12/11/14 4:30	SNV	5803199
trans-1,2-Dichloroethene	ND			5	100	1	12/11/14 4:30	SNV	5803199
m,p-Xylene	ND			5	10000	1	12/11/14 4:30	SNV	5803199
o-Xylene	ND			5	10000	1	12/11/14 4:30	SNV	5803199
1,3-Dichloropropene,Total	ND			5	5	1	12/11/14 4:30	SNV	5803199
1,2-Dichloroethene (total)	ND			5	70	1	12/11/14 4:30	SNV	5803199
Xylenes,Total	ND			5	10000	1	12/11/14 4:30	SNV	5803199
Surr: 1,2-Dichloroethane-d4	102		%	84-124		1	12/11/14 4:30	SNV	5803199
Surr: 4-Bromofluorobenzene	102		%	89-111		1	12/11/14 4:30	SNV	5803199
Surr: Toluene-d8	97.8		%	83-115		1	12/11/14 4:30	SNV	5803199

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

12/24/2014 8:54:45 AM

ACCUTEST LABORATORIES

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

Client Sample ID: PW-6 **Collected:** 12/04/2014 16:10 **Lab Sample ID:** L0051459-17

Site: HOLLY RIDGE NW (115409)

Analyses/Method	Result	QUAL		Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
BTEX BY METHOD 8021B					**MCL**	**SW8021B**	**Units: ug/L**	
Benzene	ND			1	1	12/09/14 1:34	JDF	5799435
Ethylbenzene	ND			1	1	12/09/14 1:34	JDF	5799435
Toluene	ND			5	1	12/09/14 1:34	JDF	5799435
m,p-Xylene	ND			5	1	12/09/14 1:34	JDF	5799435
o-Xylene	ND			5	1	12/09/14 1:34	JDF	5799435
Xylenes,Total	ND			5	1	12/09/14 1:34	JDF	5799435
BTEX, Total	ND			5	1	12/09/14 1:34	JDF	5799435
Surr: 1,4-Difluorobenzene	100		%	51-157	1	12/09/14 1:34	JDF	5799435
Surr: 4-Bromofluorobenzene	94.8		%	63-153	1	12/09/14 1:34	JDF	5799435
RECAP DIESEL RANGE ORGANICS BY METHOD 8015C					**MCL**	**SW8015C**	**Units: ug/L**	
Diesel Range Organics (C10-C28)	ND			100	1	12/09/14 2:23	E_G	5800942
Surr: o-Terphenyl	102		%	47-125	1	12/09/14 2:23	E_G	5800942

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3511	12/08/2014 14:52	MFF	1.00

RECAP GASOLINE RANGE ORGANICS					**MCL**	**SW8015C**	**Units: ug/L**	
Gasoline Range Organics (C6-C10)	ND			100	1	12/09/14 19:31	MRB	5800989
Surr: 1,4-Difluorobenzene	93.3		%	70-135	1	12/09/14 19:31	MRB	5800989
Surr: 4-Bromofluorobenzene	92.2		%	89-126	1	12/09/14 19:31	MRB	5800989

Qualifiers:

ND/U - Not Detected at the Reporting Limit
B - 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

12/24/2014 8:54:49 AM

Quality Control Documentation

Version 2.1 - Modified February 11, 2011

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: Chlorinated Herbicides by Method 8151A **WorkOrder:** L0051459
Method: SW8151A **Lab Batch ID:** 137232

Method Blank

RunID: GCSVE5_141209A-5801381 Units: ug/L
Analysis Date: 12/09/2014 21:59 Analyst: E_G
Preparation Date: 12/08/2014 16:03 Prep By: CT Method: SW3510C

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0051459-12B	PW-1
L0051459-16D	PW-5

Analyte	Result	Rep Limit
2,4,5-T	ND	0.099
2,4,5-TP (Silvex)	ND	0.095
2,4-D	ND	0.94
2,4-DB	ND	0.95
Dalapon	ND	1.1
Dicamba	ND	0.094
Dichloroprop	ND	0.94
Dinoseb	ND	0.47
MCPA	ND	93
MCPP	ND	93
Surr: DCAA	24.8	29-159

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

RunID: GCSVE5_141209A-580138 Units: ug/L
Analysis Date: 12/09/2014 22:31 Analyst: E_G
Preparation Date: 12/08/2014 16:03 Prep By: CT 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	0.500	0.449	89.7	0.500	0.496	99.2	10.0	30	48	135
2,4,5-TP (Silvex)	0.500	0.372	74.4	0.500	0.348	69.6	6.6	20	49	131
2,4-D	5.00	4.95	99.0	5.00	4.74	94.8	4.3	24	64	128
2,4-DB	5.00	4.81	96.1	5.00	4.36	87.3	9.6	34	37	153
Dalapon	12.5	2.64	21.2	12.5	2.59	20.7	1.9	80	17	125
Dicamba	0.500	0.282	56.5	0.500	0.308	61.6	8.6	34	42	144
Dichloroprop	5.00	3.96	79.2	5.00	3.60	72.1	9.4	18	71	162
Dinoseb	2.50	0.647	25.9	2.50	0.646	25.9	0.2	34	17	126
MCPA	500	326	65.2	500	317	63.4	2.9	16	62	132
MCPP	500	314	62.8	500	354	70.9	12.1	19	61	137
Surr: DCAA	1.00	0.427	42.7	1.00	0.462	46.2	7.8	30	3	176

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.

12/24/2014 8:54:51 AM

Version 2.1 - Modified February 11, 2011

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis:	**Chlorinated Herbicides by Method 8151A**	**WorkOrder:**	**L0051459**
Method:	**SW8151A**	**Lab Batch ID:**	**137232**

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.

12/24/2014 8:54:51 AM

Version 2.1 - Modified February 11, 2011

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: RECAP Diesel Range Organics by Method 8015C **WorkOrder:** L0051459
Method: SW8015C **Lab Batch ID:** 137249

Method Blank

RunID: TPHC_141208E-5800951 Units: ug/L
Analysis Date: 12/09/2014 12:37 Analyst: E_G
Preparation Date: 12/08/2014 14:52 Prep By: MFF Method: SW3511

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	100
Surr: o-Terphenyl	105.3	47-125

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0051459-13A	PW-2
L0051459-14A	PW-3
L0051459-15A	PW-4
L0051459-17A	PW-6

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

RunID: TPHC_141208E-5800952 Units: ug/L
Analysis Date: 12/09/2014 13:01 Analyst: E_G
Preparation Date: 12/08/2014 14:52 Prep By: MFF 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)	6000	6550	109	6000	6290	105	4.1	26	21	140
Surr: o-Terphenyl	0.100	0.113	113	0.100	0.108	108	4.0	30	47	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.

12/24/2014 8:54:51 AM

Version 2.1 - Modified February 11, 2011

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: EDB & DBCP
Method: SW8011
WorkOrder: L0051459
Lab Batch ID: 137250

Method Blank

RunID: PCBB_141209A-5802876 Units: ug/L
Analysis Date: 12/09/2014 11:13 Analyst: DF
Preparation Date: 12/08/2014 11:00 Prep By: AVB Method: E504

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0051459-16A	PW-5

Analyte	Result	Rep Limit
1,2-Dibromo-3-chloropropane	ND	0.020
Surr: 1-Chloro-2-fluorobenzene	111.2	32-169

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

RunID: PCBB_141209A-5802877 Units: ug/L
Analysis Date: 12/09/2014 11:34 Analyst: DF
Preparation Date: 12/08/2014 11:00 Prep By: AVB Method: E504

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
1,2-Dibromo-3-chloropropane	0.570	0.468	82.1	0.570	0.500	87.8	6.7	30	60	140
Surr: 1-Chloro-2-fluorobenzene	143	156	109	143	160	112	2.6	30	32	169

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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Version 2.1 - Modified February 11, 2011

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: Organochlorine Pesticides by EPA 8081B - water **WorkOrder:** L0051459
Method: SW8081B **Lab Batch ID:** 137263

Method Blank

RunID: PEST2_141210B-5801976 Units: ug/L
Analysis Date: 12/10/2014 17:20 Analyst: E_G
Preparation Date: 12/09/2014 14:30 Prep By: KRJ Method: SW3510B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0051459-12A	PW-1
L0051459-16C	PW-5

Analyte	Result	Rep Limit
4,4´-DDD	ND	0.050
4,4´-DDE	ND	0.050
4,4´-DDT	ND	0.050
Aldrin	ND	0.050
alpha-BHC	ND	0.050
alpha-Chlordane	ND	0.050
beta-BHC	ND	0.050
Chlordane	ND	0.20
delta-BHC	ND	0.050
Dieldrin	ND	0.050
Endosulfan I	ND	0.050
Endosulfan II	ND	0.050
Endosulfan sulfate	ND	0.050
Endrin	ND	0.050
Endrin aldehyde	ND	0.050
Endrin ketone	ND	0.050
gamma-BHC	ND	0.050
gamma-Chlordane	ND	0.050
Heptachlor	ND	0.050
Heptachlor epoxide	ND	0.050
Methoxychlor	ND	0.050
Toxaphene	ND	2.0
Surr: Decachlorobiphenyl	152.4	10-152
Surr: Tetrachloro-m-xylene	146.8	10-159

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

RunID: PEST2_141210B-5801977 Units: ug/L
Analysis Date: 12/10/2014 17:49 Analyst: E_G
Preparation Date: 12/09/2014 14:30 Prep By: KRJ Method: SW3510B

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
4,4´-DDD	0.500	0.403	80.6	0.500	0.370	73.9	8.7	39	19	149
4,4´-DDE	0.500	0.407	81.4	0.500	0.374	74.9	8.4	38	23	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

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.

12/24/2014 8:54:51 AM

Version 2.1 - Modified February 11, 2011

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: Organochlorine Pesticides by EPA 8081B - water **WorkOrder:** L0051459
Method: SW8081B **Lab Batch ID:** 137263

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

RunID: PEST2_141210B-5801977 Units: ug/L
Analysis Date: 12/10/2014 17:49 Analyst: E_G
Preparation Date: 12/09/2014 14:30 Prep By: KRJ 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´-DDT	0.500	0.327	65.4	0.500	0.297	59.4	9.5	34	22	165
Aldrin	0.500	0.412	82.5	0.500	0.371	74.3	10.5	41	27	151
alpha-BHC	0.500	0.391	78.2	0.500	0.336	67.3	15.0	51	26	155
alpha-Chlordane	0.500	0.389	77.8	0.500	0.349	69.8	10.9	58	23	148
beta-BHC	0.500	0.363	72.6	0.500	0.349	69.9	3.8	46	25	149
delta-BHC	0.500	0.420	84.0	0.500	0.371	74.1	12.5	44	29	142
Dieldrin	0.500	0.386	77.1	0.500	0.348	69.7	10.2	39	26	148
Endosulfan I	0.500	0.393	78.6	0.500	0.355	71.0	10.2	40	20	157
Endosulfan II	0.500	0.413	82.6	0.500	0.377	75.4	9.1	43	20	153
Endosulfan sulfate	0.500	0.437	87.4	0.500	0.399	79.7	9.2	44	18	145
Endrin	0.500	0.435	86.9	0.500	0.392	78.4	10.3	46	25	165
Endrin aldehyde	0.500	0.423	84.5	0.500	0.392	78.4	7.5	39	24	157
Endrin ketone	0.500	0.408	81.5	0.500	0.377	75.4	7.8	45	18	153
gamma-BHC	0.500	0.386	77.2	0.500	0.331	66.2	15.3	34	28	151
gamma-Chlordane	0.500	0.396	79.3	0.500	0.359	71.8	9.9	39	23	148
Heptachlor	0.500	0.371	74.2	0.500	0.323	64.5	13.9	31	28	159
Heptachlor epoxide	0.500	0.380	76.1	0.500	0.341	68.2	10.9	36	25	153
Methoxychlor	0.500	0.349	69.8	0.500	0.312	62.4	11.1	54	12	180
Surr: Decachlorobiphenyl	1.00	1.50	150	1.00	1.40	140	6.9	30	10	152
Surr: Tetrachloro-m-xylene	1.00	1.31	131	1.00	1.23	123	6.4	30	10	159

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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ACCUTEST LABORATORIES

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: RECAP Diesel Range Organics by Method 8015C **WorkOrder:** L0051459
Method: SW8015C **Lab Batch ID:** 137274

Method Blank

RunID: TPHB_141211A-5802436 Units: mg/Kg
Analysis Date: 12/10/2014 16:57 Analyst: JT1
Preparation Date: 12/10/2014 8:30 Prep By: JNY Method: SW3546

Analyte	Result	Rep Limit
Diesel Range Organics (C10-C28)	ND	10
Surr: o-Terphenyl	83.9	38-135

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0051459-03A	P-2-8
L0051459-05A	P-3-7
L0051459-07A	P-4-7
L0051459-11A	P-6-8

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

RunID: TPHB_141211A-5802437 Units: mg/Kg
Analysis Date: 12/10/2014 17:14 Analyst: JT1
Preparation Date: 12/10/2014 8:30 Prep By: JNY Method: SW3546

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)	150	135	89.8	150	132	88.1	1.9	20	45	102
Surr: o-Terphenyl	2.50	2.38	95.0	2.50	2.26	90.3	5.1	30	38	135

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

Sample Spiked: L0051469-01
RunID: TPHB_141211A-5802455 Units: mg/Kg
Analysis Date: 12/11/2014 2:18 Analyst: JT1
Preparation Date: 12/10/2014 8:30 Prep By: JNY Method: SW3546

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)	6470	150	4020	N/C	147	4610	N/C	N/C	20	45	102
Surr: o-Terphenyl	ND	2.5	D	D	2.45	D	D	D	30	38	135

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

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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Version 2.1 - Modified February 11, 2011

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: Organochlorine Pesticides by Method 8081B - soil **WorkOrder:** L0051459
Method: SW8081B **Lab Batch ID:** 137278

Method Blank

RunID: PEST2_141210A-5801967 Units: mg/Kg
Analysis Date: 12/10/2014 13:33 Analyst: E_G
Preparation Date: 12/10/2014 8:40 Prep By: JNY Method: SW3546

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0051459-01A	P-1-8
L0051459-09B	P-5-7

Analyte	Result	Rep Limit
4,4´-DDD	ND	0.0012
4,4´-DDE	ND	0.0012
4,4´-DDT	ND	0.0012
Aldrin	ND	0.0012
alpha-BHC	ND	0.0012
alpha-Chlordane	ND	0.0012
beta-BHC	ND	0.0012
Chlordane	ND	0.0067
delta-BHC	ND	0.0012
Dieldrin	ND	0.0012
Endosulfan I	ND	0.0012
Endosulfan II	ND	0.0012
Endosulfan sulfate	ND	0.0012
Endrin	ND	0.0012
Endrin aldehyde	ND	0.0012
Endrin ketone	ND	0.0012
gamma-BHC	ND	0.0012
gamma-Chlordane	ND	0.0012
Heptachlor	ND	0.0012
Heptachlor epoxide	ND	0.0012
Methoxychlor	ND	0.0012
Toxaphene	ND	0.17
Surr: Decachlorobiphenyl	111.8	13-144
Surr: Tetrachloro-m-xylene	110.9	33-152

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

RunID: PEST2_141210A-5801968 Units: mg/Kg
Analysis Date: 12/10/2014 14:01 Analyst: E_G
Preparation Date: 12/10/2014 8:40 Prep By: JNY Method: SW3546

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	0.0125	0.0122	97.3	0.0125	0.0147	118	19.0	45	30	148
4,4´-DDE	0.0125	0.0126	101	0.0125	0.0148	119	16.3	40	44	141

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.

12/24/2014 8:54:51 AM

Version 2.1 - Modified February 11, 2011

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: Organochlorine Pesticides by Method 8081B - soil **WorkOrder:** L0051459
Method: SW8081B **Lab Batch ID:** 137278

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

RunID: PEST2_141210A-5801968 Units: mg/Kg
Analysis Date: 12/10/2014 14:01 Analyst: E_G
Preparation Date: 12/10/2014 8:40 Prep By: JNY Method: SW3546

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´-DDT	0.0125	0.0101	80.9	0.0125	0.0124	99.1	20.2	35	8	155
Aldrin	0.0125	0.0139	111	0.0125	0.0137	110	1.2	37	47	145
alpha-BHC	0.0125	0.0135	108	0.0125	0.0142	114	5.2	41	33	142
alpha-Chlordane	0.0125	0.0118	94.3	0.0125	0.0142	114	18.7	39	44	141
beta-BHC	0.0125	0.0117	93.3	0.0125	0.0124	99.2	6.1	38	35	145
delta-BHC	0.0125	0.0136	109	0.0125	0.0141	112	3.5	38	10	159
Dieldrin	0.0125	0.0115	91.8	0.0125	0.0139	111	18.8	43	57	136
Endosulfan I	0.0125	0.0121	97.1	0.0125	0.0139	111	13.4	41	52	141
Endosulfan II	0.0125	0.0120	95.7	0.0125	0.0146	117	19.8	40	49	142
Endosulfan sulfate	0.0125	0.0130	104	0.0125	0.0148	118	13.2	43	25	135
Endrin	0.0125	0.0146	117	0.0125	0.0154	124	5.3	52	32	147
Endrin aldehyde	0.0125	0.0119	95.5	0.0125	0.0143	114	17.8	42	29	146
Endrin ketone	0.0125	0.0118	94.2	0.0125	0.0146	117	21.6	40	32	146
gamma-BHC	0.0125	0.0129	103	0.0125	0.0142	114	9.6	41	34	139
gamma-Chlordane	0.0125	0.0124	99.5	0.0125	0.0141	113	12.8	40	43	142
Heptachlor	0.0125	0.0120	95.8	0.0125	0.0118	94.7	1.1	37	37	147
Heptachlor epoxide	0.0125	0.0116	93.1	0.0125	0.0135	108	14.9	42	52	142
Methoxychlor	0.0125	0.0110	87.9	0.0125	0.0126	101	13.5	43	13	144
Surr: Decachlorobiphenyl	50.0	49.9	99.8	50.0	57.1	114	13.5	30	10	185
Surr: Tetrachloro-m-xylene	50.0	52.2	104	50.0	56.1	112	7.2	30	10	172

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

Sample Spiked: L0051459-01
RunID: PEST2_141210A-5801971 Units: mg/Kg
Analysis Date: 12/10/2014 15:26 Analyst: E_G
Preparation Date: 12/10/2014 8:40 Prep By: JNY Method: SW3546

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.

12/24/2014 8:54:51 AM

Version 2.1 - Modified February 11, 2011

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: Organochlorine Pesticides by Method 8081B - soil **WorkOrder:** L0051459
Method: SW8081B **Lab Batch ID:** 137278

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
4,4´-DDD	ND	0.0124	0.0117	94.3	0.0124	0.00802	64.5	37.5	45	30	148
4,4´-DDE	ND	0.0124	0.0119	96.0	0.0124	0.00813	65.4	37.9	40	44	141
4,4´-DDT	ND	0.0124	0.0123	98.8	0.0124	0.0101	81.6	19.1	35	8	155
Aldrin	ND	0.0124	0.0107	86.3	0.0124	0.0103	82.6	4.35	37	47	145
alpha-BHC	ND	0.0124	0.0137	110	0.0124	0.0102	82.0	29.0	41	33	142
alpha-Chlordane	ND	0.0124	0.0111	89.5	0.0124	0.00829	66.6	29.3	39	44	141
beta-BHC	ND	0.0124	0.0113	91.2	0.0124	0.00908	73.0	22.2	38	35	145
delta-BHC	ND	0.0124	0.0131	106	0.0124	0.0106	85.5	21.1	38	10	159
Dieldrin	ND	0.0124	0.0106	85.4	0.0124	0.00745	59.9	35.2	43	57	136
Endosulfan I	ND	0.0124	0.0115	92.1	0.0124	0.00807	64.9	34.7	41	52	141
Endosulfan II	ND	0.0124	0.0112	89.7	0.0124	0.00739	59.4	40.6 *	40	49	142
Endosulfan sulfate	ND	0.0124	0.0123	99.1	0.0124	0.0101	81.5	19.5	43	25	135
Endrin	ND	0.0124	0.0131	105	0.0124	0.0133	107	1.15	52	32	147
Endrin aldehyde	ND	0.0124	0.0113	90.7	0.0124	0.00800	64.3	34.0	42	29	146
Endrin ketone	ND	0.0124	0.0105	84.1	0.0124	0.00727	58.5	35.9	40	32	146
gamma-BHC	ND	0.0124	0.0126	101	0.0124	0.0110	88.1	13.9	41	34	139
gamma-Chlordane	ND	0.0124	0.0117	94.1	0.0124	0.00748	60.2	44.0 *	40	43	142
Heptachlor	ND	0.0124	0.0108	86.7	0.0124	0.00888	71.4	19.4	37	37	147
Heptachlor epoxide	ND	0.0124	0.0115	92.3	0.0124	0.00749	60.2	42.0 *	42	52	142
Methoxychlor	ND	0.0124	0.0129	104	0.0124	0.0114	91.3	12.9	43	13	144
Surr: Decachlorobiphenyl	ND	49.8	49.7	99.9	49.8	41.7	83.7	17.6 *	0	10	185
Surr: Tetrachloro-m-xylene	ND	49.8	46.5	93.4	49.8	53.8	108	14.6 *	0	10	172

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.

12/24/2014 8:54:51 AM

Version 2.1 - Modified February 11, 2011

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: BTEX by Method 8021B **WorkOrder:** L0051459
Method: SW8021B **Lab Batch ID:** R346562

Method Blank

RunID: GCLP_141208A-5799419 Units: ug/L
Analysis Date: 12/08/2014 12:57 Analyst: JDF

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0051459-17B	PW-6

Analyte	Result	Rep Limit
Benzene	ND	1.0
Ethylbenzene	ND	1.0
Toluene	ND	5.0
m,p-Xylene	ND	5.0
o-Xylene	ND	5.0
BTEX, Total	ND	5.0
Xylenes,Total	ND	5.0
Surr: 1,4-Difluorobenzene	98.6	51-157
Surr: 4-Bromofluorobenzene	102.2	63-153

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

RunID: GCLP_141208A-5799426 Units: ug/L
Analysis Date: 12/08/2014 16:52 Analyst: JDF

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Benzene	50.0	47.6	95.2	50.0	50.6	101	6.2	8	80	121
Ethylbenzene	50.0	50.3	101	50.0	53.3	107	5.8	9	83	119
Toluene	50.0	48.7	97.3	50.0	51.8	104	6.2	8	85	118
m,p-Xylene	100	98.4	98.4	100	107	107	7.9	9	83	117
o-Xylene	50.0	49.6	99.2	50.0	52.9	106	6.3	9	84	116
Xylenes,Total	150	148	98.7	150	160	106	7.4	8	84	116
Surr: 1,4-Difluorobenzene	30.0	30.1	100	30.0	30.1	100	0.1	30	51	157
Surr: 4-Bromofluorobenzene	30.0	30.8	103	30.0	29.7	99.1	3.5	30	63	153

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

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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Version 2.1 - Modified February 11, 2011

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: **BTEX by Method 8021B** **WorkOrder:** **L0051459**
Method: **SW8021B** **Lab Batch ID:** **R346562**

Sample Spiked: L0051368-01
RunID: GCLP_141208A-5799428 Units: ug/L
Analysis Date: 12/08/2014 20:15 Analyst: JDF

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
Benzene	26500	25000	46800	81.4	25000	47300	83.2	0.944	8	80	121
Ethylbenzene	514	25000	24400	95.6	25000	24300	95.0	0.606	9	83	119
Toluene	13100	25000	35200	88.1	25000	35200	88.4	0.169	8	85	118
m,p-Xylene	2420	50000	49300	93.8	50000	48800	92.8	0.968	9	83	117
o-Xylene	1190	25000	25000	95.3	25000	24800	94.3	1.06	9	84	116
Xylenes,Total	3600	75000	74300	94.3	75000	73600	93.3	1.00	8	84	116
Surr: 1,4-Difluorobenzene	ND	15000	15000	100	15000	15100	101	0.804	30	51	157
Surr: 4-Bromofluorobenzene	ND	15000	15400	103	15000	15200	101	1.60	30	63	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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500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
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Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: RECAP Gasoline Range Organics **WorkOrder:** L0051459
Method: SW8015C **Lab Batch ID:** R346591

Method Blank

RunID: GCLO_141209A-5800177 Units: ug/L
Analysis Date: 12/09/2014 4:27 Analyst: MRB

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0051459-17B	PW-6

Analyte	Result	Rep Limit
Gasoline Range Organics (C6-C10)	ND	100
Surr: 1,4-Difluorobenzene	85.4	70-135
Surr: 4-Bromofluorobenzene	105.8	89-126

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

RunID: GCLO_141209A-5800175 Units: ug/L
Analysis Date: 12/09/2014 3:22 Analyst: MRB

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)	5000	4940	98.8	5000	4900	98.0	0.8	7	77	118
Surr: 1,4-Difluorobenzene	30.0	30.7	102	30.0	29.9	99.5	2.7	30	70	135
Surr: 4-Bromofluorobenzene	30.0	33.5	112	30.0	34.9	116	4.0	30	89	126

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

Sample Spiked: L0051442-01
RunID: GCLO_141209A-5800990 Units: mg/L
Analysis Date: 12/09/2014 20:04 Analyst: MRB

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)	100	2500	2610	101	2500	2580	99.1	1.33	7	77	118
Surr: 1,4-Difluorobenzene	ND	15000	16700	111	15000	16700	112	0.339	30	70	135
Surr: 4-Bromofluorobenzene	ND	15000	16500	110	15000	16500	110	0.288	30	89	126

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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Version 2.1 - Modified February 11, 2011

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SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis:	**RECAP Gasoline Range Organics**	**WorkOrder:**	**L0051459**
Method:	**SW8015C**	**Lab Batch ID:**	**R346591**

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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500 AMBASSADOR CAFFERY PARKWAY
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Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: BTEX by Method 8021B **WorkOrder:** L0051459
Method: SW8021B **Lab Batch ID:** R346598

Method Blank

RunID: GCLC_141209A-5800355 Units: mg/kg
Analysis Date: 12/09/2014 11:00 Analyst: MRB

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0051459-11B	P-6-8

Analyte	Result	Rep Limit
Benzene	ND	0.050
Ethylbenzene	ND	0.050
Toluene	ND	0.050
m,p-Xylene	ND	0.10
o-Xylene	ND	0.050
BTEX, Total	ND	0.050
Xylenes,Total	ND	0.15
Surr: 1,4-Difluorobenzene	95.7	80-115
Surr: 4-Bromofluorobenzene	101.4	79-135

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

RunID: GCLC_141209A-5800353 Units: mg/kg
Analysis Date: 12/09/2014 10:02 Analyst: MRB

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Benzene	2.50	2.32	92.9	2.50	2.29	91.8	1.2	9	79	121
Ethylbenzene	2.50	2.59	104	2.50	2.58	103	0.4	9	82	121
Toluene	2.50	2.42	96.8	2.50	2.40	96.0	0.9	9	83	119
m,p-Xylene	5.00	5.25	105	5.00	5.22	104	0.7	9	82	118
o-Xylene	2.50	2.44	97.8	2.50	2.43	97.1	0.7	9	78	127
Xylenes,Total	7.50	7.69	103	7.50	7.65	102	0.7	7	83	119
Surr: 1,4-Difluorobenzene	1500	1450	96.7	1500	1450	96.7	0.0	30	80	115
Surr: 4-Bromofluorobenzene	1500	1520	101	1500	1520	101	0.2	30	79	135

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

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

PPM CONSULTANTS, INC.

115409

Analysis: **BTEX by Method 8021B** **WorkOrder:** **L0051459**
Method: **SW8021B** **Lab Batch ID:** **R346598**

Sample Spiked: L0051455-03
RunID: GCLC_141209A-5800386 Units: mg/kg
Analysis Date: 12/09/2014 12:57 Analyst: MRB
Preparation Date: 12/04/2014 11:07 Prep By: MAB 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
Benzene	ND	25	22.5	90.0	25	22.9	91.4	1.51	8	80	120
Ethylbenzene	ND	25	24.8	99.0	25	25.7	103	3.80	8	84	121
Toluene	ND	25	22.9	91.5	25	23.7	94.8	3.63	8	83	122
m,p-Xylene	ND	50	49.8	99.7	50	52.0	104	4.24	7	84	122
o-Xylene	ND	25	23.5	93.8	25	24.5	97.8	4.19	8	85	119
Xylenes,Total	ND	75	73.3	97.7	75	76.5	102	4.22	7	85	120
Surr: 1,4-Difluorobenzene	ND	15000	15000	100	15000	14500	96.6	3.56	30	80	115
Surr: 4-Bromofluorobenzene	ND	15000	15000	100	15000	15400	103	2.68	30	79	135

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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500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
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Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: RECAP Gasoline Range Organics **WorkOrder:** L0051459
Method: SW8015C **Lab Batch ID:** R346630

Method Blank

RunID: GCLO_141209C-5801018 Units: mg/Kg
Analysis Date: 12/09/2014 23:54 Analyst: MRB

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0051459-11B	P-6-8

Analyte	Result	Rep Limit
Gasoline Range Organics (C6-C10)	ND	5.0
Surr: 1,4-Difluorobenzene	96.0	52-140
Surr: 4-Bromofluorobenzene	99.6	63-139

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

RunID: GCLO_141209C-5801016 Units: mg/Kg
Analysis Date: 12/09/2014 22:48 Analyst: MRB

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)	250	242	97.0	250	250	99.9	3.0	6	79	121
Surr: 1,4-Difluorobenzene	1500	1350	90.2	1500	1350	90.3	0.1	30	52	140
Surr: 4-Bromofluorobenzene	1500	1560	104	1500	1640	110	5.1	30	63	139

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

Sample Spiked: L0051459-11
RunID: GCLO_141209C-5801063 Units: mg/Kg
Analysis Date: 12/10/2014 3:45 Analyst: MRB
Preparation Date: 12/04/2014 11:01 Prep By: MAB 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	2500	2560	102	2500	2530	101	1.03	10	74	121
Surr: 1,4-Difluorobenzene	ND	15000	13900	92.4	15000	13700	91.2	1.26	30	52	140
Surr: 4-Bromofluorobenzene	ND	15000	15900	106	15000	15800	105	0.333	30	63	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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500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis:	**RECAP Gasoline Range Organics**	**WorkOrder:**	**L0051459**
Method:	**SW8015C**	**Lab Batch ID:**	**R346630**

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

PPM CONSULTANTS, INC.

115409

Analysis: Total Metals by Method 6010B - solid
Method: SW6010B
WorkOrder: L0051459
Lab Batch ID: 137256

Method Blank

RunID: ICP7300DV_141209A-5800320 Units: mg/Kg
Analysis Date: 12/09/2014 12:48 Analyst: RST
Preparation Date: 12/09/2014 8:36 Prep By: LAB Method: SW3050B

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0051459-09D	P-5-7

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

Laboratory Control Sample (LCS)

RunID: ICP7300DV_141209A-5800 Units: mg/Kg
Analysis Date: 12/09/2014 12:50 Analyst: RST
Preparation Date: 12/09/2014 8:36 Prep By: LAB Method: SW3050B

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Arsenic	139.0	126.4	90.94	78.4173	121.583
Barium	203.0	178.8	88.08	82.7586	117.734
Cadmium	96.00	90.61	94.39	81.6667	117.708
Chromium	136.0	125.6	92.35	78.6765	120.588
Lead	133.0	118.6	89.17	81.9549	118.797
Selenium	177.0	169.1	95.54	77.4011	122.599
Silver	40.20	41.53	103.3	74.8756	125.373
Zinc	189.0	171.1	90.53	81.4815	118.519

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

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

PPM CONSULTANTS, INC.

115409

Analysis: **Total Metals by Method 6010B - solid** **WorkOrder:** **L0051459**
Method: **SW6010B** **Lab Batch ID:** **137256**

Sample Spiked: L0051444-01
RunID: ICP7300DV_141209A-5800 Units: mg/Kg
Analysis Date: 12/09/2014 12:55 Analyst: RST
Preparation Date: 12/09/2014 8:36 Prep By: LAB 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	4.864	100	96.20	91.34	100	97.81	92.95	1.660	20	75	125
Barium	90.37	100	190.1	99.73	100	192.8	102.4	1.410	20	75	125
Cadmium	ND	100	92.63	92.63	100	95.80	95.80	3.365	20	75	125
Chromium	17.49	100	110.3	92.81	100	113.7	96.21	3.036	20	75	125
Lead	6.203	100	99.01	92.81	100	99.87	93.67	0.8648	20	75	125
Selenium	ND	100	93.75	93.75	100	95.64	95.64	1.996	20	75	125
Silver	ND	100	105.9	105.9	100	108.5	108.5	2.425	20	75	125
Zinc	35.50	100	129.9	94.40	100	135.5	100.0	4.220	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

PPM CONSULTANTS, INC.

115409

Analysis: Mercury, Total by Cold Vapor
Method: SW7471B
WorkOrder: L0051459
Lab Batch ID: 137273

Method Blank

RunID: FIMS-400_141210A-5801206 Units: mg/Kg
Analysis Date: 12/10/2014 10:48 Analyst: SA1
Preparation Date: 12/10/2014 9:00 Prep By: SA1 Method: SW7471A

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0051459-09D	P-5-7

Analyte	Result	Rep Limit
Mercury	ND	0.1

Laboratory Control Sample (LCS)

RunID: FIMS-400_141210A-580120 Units: mg/Kg
Analysis Date: 12/10/2014 10:52 Analyst: SA1
Preparation Date: 12/10/2014 9:00 Prep By: SA1 Method: SW7471A

Analyte	Spike Added	Result	Percent Recovery	Lower Limit	Upper Limit
Mercury	12.90	13.39	103.8	75.8065	132.258

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

Sample Spiked: L0051504-03
RunID: FIMS-400_141210A-580121 Units: mg/Kg
Analysis Date: 12/10/2014 11:03 Analyst: SA1
Preparation Date: 12/10/2014 9:00 Prep By: SA1 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	1.663	109.0	1.5	1.770	116.2	6.248	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.
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(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: RECAP Semivolatile Organics by EPA 8270D
Method: SW8270D
WorkOrder: L0051459
Lab Batch ID: 137276

Method Blank

RunID: A_141210E-5803308
Units: mg/Kg
Analysis Date: 12/11/2014 3:01
Analyst: HJL
Preparation Date: 12/10/2014 8:35
Prep By: JNY Method: SW3546

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0051459-09B	P-5-7

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

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.

12/24/2014 8:54:52 AM

Version 2.1 - Modified February 11, 2011

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: RECAP Semivolatile Organics by EPA 8270D **WorkOrder:** L0051459
Method: SW8270D **Lab Batch ID:** 137276

Method Blank

RunID: A_141210E-5803308 Units: mg/Kg
Analysis Date: 12/11/2014 3:01 Analyst: HJL
Preparation Date: 12/10/2014 8:35 Prep By: JNY Method: SW3546

Analyte	Result	Rep Limit
Hexachlorobenzene	ND	0.17
Hexachlorobutadiene	ND	0.17
Hexachlorocyclopentadiene	ND	0.33
Indeno(1,2,3-cd)pyrene	ND	0.033
Isophorone	ND	0.17
Naphthalene	ND	0.033
Nitrobenzene	ND	0.17
N-Nitrosodi-n-propylamine	ND	0.17
N-Nitrosodiphenylamine	ND	0.17
Pentachlorophenol	ND	0.66
Phenanthrene	ND	0.033
Phenol	ND	0.17
Pyrene	ND	0.033
Surr: 2,4,6-Tribromophenol	94.7	26-140
Surr: 2-Fluorobiphenyl	95.0	43-128
Surr: 2-Fluorophenol	100.5	33-136
Surr: 4-Terphenyl-d14	104.7	51-136
Surr: Nitrobenzene-d5	95.9	47-134
Surr: Phenol-d5	94.7	41-132

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

RunID: A_141210E-5803309 Units: mg/Kg
Analysis Date: 12/11/2014 3:26 Analyst: HJL
Preparation Date: 12/10/2014 8:35 Prep By: JNY Method: SW3546

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	2.50	2.63	105	2.50	2.50	100	4.8	30	62	114
1,2,4,5-Tetrachlorobenzene	2.50	2.58	103	2.50	2.46	98.3	4.9	18	65	109
1,2,4-Trichlorobenzene	2.50	2.83	113 *	2.50	2.83	113 *	0.2	17	66	104
1,3-Dinitrobenzene	2.50	2.66	106	2.50	2.54	102	4.6	18	65	116
2,3,4,6-Tetrachlorophenol	2.50	2.53	101	2.50	2.42	96.8	4.6	18	66	112
2,4,5-Trichlorophenol	2.50	2.49	99.7	2.50	2.39	95.7	4.0	17	66	113

Qualifiers:
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12/24/2014 8:54:52 AM

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: RECAP Semivolatile Organics by EPA 8270D **WorkOrder:** L0051459
Method: SW8270D **Lab Batch ID:** 137276

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

RunID: A_141210E-5803309 Units: mg/Kg
Analysis Date: 12/11/2014 3:26 Analyst: HJL
Preparation Date: 12/10/2014 8:35 Prep By: JNY Method: SW3546

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
2,4,6-Trichlorophenol	2.50	2.50	100	2.50	2.45	98.1	2.0	19	67	112
2,4-Dichlorophenol	2.50	2.43	97.3	2.50	2.40	96.1	1.2	17	68	109
2,4-Dimethylphenol	2.50	2.82	113 *	2.50	2.83	113 *	0.5	19	65	107
2,4-Dinitrophenol	2.50	2.64	106	2.50	2.55	102	3.4	27	29	119
2,4-Dinitrotoluene	2.50	2.64	106	2.50	2.55	102	3.3	16	64	117
2,6-Dinitrotoluene	2.50	2.62	105	2.50	2.52	101	3.9	16	69	111
2-Chloronaphthalene	2.50	2.56	103	2.50	2.48	99.0	3.5	17	67	103
2-Chlorophenol	2.50	2.80	112 *	2.50	2.69	107 *	4.1	16	64	107
2-Methylnaphthalene	2.50	2.82	113 *	2.50	2.79	112 *	1.3	15	65	107
2-Nitroaniline	2.50	2.58	103	2.50	2.50	99.9	3.1	18	65	116
3,3´-Dichlorobenzidine	2.50	2.67	107	2.50	2.56	102	4.4	17	66	113
3-Nitroaniline	2.50	2.53	101	2.50	2.45	98.1	3.2	17	69	112
4-Chloroaniline	2.50	2.76	111 *	2.50	2.75	110 *	0.6	18	63	109
4-Nitroaniline	2.50	2.60	104	2.50	2.48	99.0	4.7	18	61	113
4-Nitrophenol	2.50	2.69	108	2.50	2.60	104	3.4	19	59	118
Acenaphthene	2.50	2.63	105 *	2.50	2.46	98.5	6.4	17	68	103
Acenaphthylene	2.50	2.64	106	2.50	2.48	99.2	6.3	16	66	108
Aniline	2.50	2.30	92.1	2.50	2.22	88.6	3.8	17	65	115
Anthracene	2.50	2.54	102	2.50	2.45	97.9	3.8	16	66	112
Benz(a)anthracene	2.50	2.58	103	2.50	2.45	97.8	5.4	18	61	106
Benzo(a)pyrene	2.50	2.51	101	2.50	2.43	97.2	3.3	17	71	112
Benzo(b)fluoranthene	2.50	2.48	99.4	2.50	2.28	91.2	8.6	21	66	108
Benzo(k)fluoranthene	2.50	2.65	106	2.50	2.76	110	3.9	19	64	116
Bis(2-chloroethyl)ether	2.50	2.60	104	2.50	2.59	103	0.7	18	62	111
Bis(2-chloroisopropyl)ether	2.50	2.31	92.4	2.50	2.24	89.6	3.1	17	64	107
Bis(2-ethylhexyl)phthalate	2.50	2.57	103	2.50	2.46	98.6	4.4	20	63	119
Butyl benzyl phthalate	2.50	2.58	103	2.50	2.48	99.2	3.8	17	66	119
Chrysene	2.50	2.61	104	2.50	2.56	103	1.6	16	66	106
Dibenz(a,h)anthracene	2.50	2.52	101	2.50	2.43	97.2	3.8	19	60	117

Qualifiers:
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B - Analyte Detected In The Associated Method Blank
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MI - Matrix Interference
D - Recovery Unreportable due to Dilution
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ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: RECAP Semivolatile Organics by EPA 8270D **WorkOrder:** L0051459
Method: SW8270D **Lab Batch ID:** 137276

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

RunID: A_141210E-5803309 Units: mg/Kg
Analysis Date: 12/11/2014 3:26 Analyst: HJL
Preparation Date: 12/10/2014 8:35 Prep By: JNY Method: SW3546

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Dibenzofuran	2.50	2.61	104	2.50	2.47	98.6	5.6	18	67	106
Diethyl phthalate	2.50	2.61	105	2.50	2.51	100	4.2	17	67	111
Dimethyl phthalate	2.50	2.56	102	2.50	2.49	99.7	2.5	16	68	106
Di-n-octyl phthalate	2.50	2.57	103	2.50	2.46	98.5	4.1	17	62	117
Fluoranthene	2.50	2.68	107	2.50	2.54	102	5.1	16	65	112
Fluorene	2.50	2.55	102	2.50	2.46	98.4	3.7	16	67	108
Hexachlorobenzene	2.50	2.48	99.0	2.50	2.39	95.5	3.6	17	64	109
Hexachlorobutadiene	2.50	2.48	99.2	2.50	2.43	97.2	2.1	17	64	108
Hexachlorocyclopentadiene	2.50	2.64	106	2.50	2.53	101	4.4	21	49	117
Indeno(1,2,3-cd)pyrene	2.50	2.49	99.8	2.50	2.43	97.1	2.7	16	68	110
Isophorone	2.50	2.78	111 *	2.50	2.79	112 *	0.4	17	65	109
Naphthalene	2.50	2.80	112 *	2.50	2.72	109 *	3.0	15	64	107
Nitrobenzene	2.50	2.46	98.3	2.50	2.40	96.2	2.2	16	65	109
N-Nitrosodi-n-propylamine	2.50	2.80	112 *	2.50	2.73	109	2.6	18	64	112
N-Nitrosodiphenylamine	2.50	2.47	98.9	2.50	2.42	96.7	2.2	18	66	111
Pentachlorophenol	2.50	2.37	94.7	2.50	2.33	93.4	1.4	21	52	109
Phenanthrene	2.50	2.88	115 *	2.50	2.75	110 *	4.7	17	63	110
Phenol	2.50	2.71	108	2.50	2.59	104	4.5	17	60	112
Pyrene	2.50	2.83	113 *	2.50	2.72	109 *	3.7	18	67	107
Surr: 2,4,6-Tribromophenol	3750	3840	102	3750	3720	99.3	3.1	30	26	140
Surr: 2-Fluorobiphenyl	2500	2640	106	2500	2480	99.3	6.3	30	43	128
Surr: 2-Fluorophenol	3750	3990	106	3750	3810	102	4.5	30	33	136
Surr: 4-Terphenyl-d14	2500	2640	106	2500	2470	98.6	6.8	30	51	136
Surr: Nitrobenzene-d5	2500	2470	98.7	2500	2410	96.2	2.5	30	47	134
Surr: Phenol-d5	3750	3750	99.9	3750	3480	92.9	7.2	30	41	132

Qualifiers:
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ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: Semivolatile Organics by EPA 8270D
Method: SW8270D
WorkOrder: L0051459
Lab Batch ID: 137299

Method Blank

RunID: F_141211A-5804670 Units: ug/L
Analysis Date: 12/11/2014 14:20 Analyst: IHK
Preparation Date: 12/11/2014 8:42 Prep By: KRJ Method: SW3510C

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0051459-16B	PW-5

Analyte	Result	Rep Limit
1,1-Biphenyl	ND	10
1,2,4,5-Tetrachlorobenzene	ND	1.1
1,2,4-Trichlorobenzene	ND	5.0
1,3-Dinitrobenzene	ND	10
2,3,4,6-Tetrachlorophenol	ND	10
2,4,5-Trichlorophenol	ND	5.0
2,4,6-Trichlorophenol	ND	5.0
2,4-Dichlorophenol	ND	5.0
2,4-Dimethylphenol	ND	5.0
2,4-Dinitrophenol	ND	10
2,4-Dinitrotoluene	ND	5.0
2,6-Dinitrotoluene	ND	3.7
2-Chloronaphthalene	ND	5.0
2-Chlorophenol	ND	3.0
2-Methylnaphthalene	ND	0.20
2-Nitroaniline	ND	5.0
3,3´-Dichlorobenzidine	ND	5.0
3-Nitroaniline	ND	1.8
4-Chloroaniline	ND	5.0
4-Nitroaniline	ND	5.0
4-Nitrophenol	ND	20
Acenaphthene	ND	0.20
Acenaphthylene	ND	0.20
Aniline	ND	5.0
Anthracene	ND	1.0
Benz(a)anthracene	ND	0.20
Benzo(a)pyrene	ND	0.20
Benzo(b)fluoranthene	ND	0.20
Benzo(k)fluoranthene	ND	0.20
Bis(2-chloroethyl)ether	ND	5.0
Bis(2-chloroisopropyl)ether	ND	5.0
Bis(2-ethylhexyl)phthalate	ND	5.0
Butyl benzyl phthalate	ND	5.0
Chrysene	ND	0.20
Dibenz(a,h)anthracene	ND	0.20
Dibenzofuran	ND	5.0
Diethyl phthalate	ND	5.0
Dimethyl phthalate	ND	5.0
Di-n-octyl phthalate	ND	5.0
Fluoranthene	ND	0.20
Fluorene	ND	0.20

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: Semivolatile Organics by EPA 8270D **WorkOrder:** L0051459
Method: SW8270D **Lab Batch ID:** 137299

Method Blank

RunID: F_141211A-5804670 Units: ug/L
Analysis Date: 12/11/2014 14:20 Analyst: IHK
Preparation Date: 12/11/2014 8:42 Prep By: KRJ Method: SW3510C

Analyte	Result	Rep Limit
Hexachlorobenzene	ND	1.0
Hexachlorobutadiene	ND	0.50
Hexachlorocyclopentadiene	ND	10
Indeno(1,2,3-cd)pyrene	ND	0.20
Isophorone	ND	5.0
Naphthalene	ND	0.20
Nitrobenzene	ND	1.0
N-Nitrosodi-n-propylamine	ND	5.0
N-Nitrosodiphenylamine	ND	5.0
Pentachlorophenol	ND	1.0
Phenanthrene	ND	0.20
Phenol	ND	5.0
Pyrene	ND	0.20
Surr: 2,4,6-Tribromophenol	98.5	30-146
Surr: 2-Fluorobiphenyl	96.2	41-124
Surr: 2-Fluorophenol	74.8	15-94
Surr: 4-Terphenyl-d14	110.5	36-129
Surr: Nitrobenzene-d5	108.4	40-143
Surr: Phenol-d5	41.0	9-73

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

RunID: F_141211A-5804671 Units: ug/L
Analysis Date: 12/11/2014 14:42 Analyst: IHK
Preparation Date: 12/11/2014 8:42 Prep By: KRJ 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	50.0	49.7	99.4	50.0	45.9	91.9	7.8	19	64	112
1,2,4,5-Tetrachlorobenzene	50.0	47.9	95.8	50.0	44.0	88.0	8.6	19	60	112
1,2,4-Trichlorobenzene	50.0	43.6	87.1	50.0	46.2	92.3	5.8	22	59	109
1,3-Dinitrobenzene	50.0	51.1	102	50.0	47.4	94.9	7.4	21	64	120
2,3,4,6-Tetrachlorophenol	50.0	47.5	94.9	50.0	43.8	87.5	8.1	22	67	114
2,4,5-Trichlorophenol	50.0	52.9	106	50.0	47.8	95.5	10.2	23	66	115

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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SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: Semivolatile Organics by EPA 8270D **WorkOrder:** L0051459
Method: SW8270D **Lab Batch ID:** 137299

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

RunID: F_141211A-5804671 Units: ug/L
Analysis Date: 12/11/2014 14:42 Analyst: IHK
Preparation Date: 12/11/2014 8:42 Prep By: KRJ 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
2,4,6-Trichlorophenol	50.0	49.9	99.7	50.0	44.5	89.0	11.4	53	67	116
2,4-Dichlorophenol	50.0	42.1	84.1	50.0	42.1	84.1	0.0	26	67	108
2,4-Dimethylphenol	50.0	46.2	92.3	50.0	46.9	93.7	1.5	24	61	102
2,4-Dinitrophenol	50.0	52.3	105	50.0	47.6	95.1	9.4	28	29	132
2,4-Dinitrotoluene	50.0	53.1	106	50.0	49.1	98.2	7.8	25	65	122
2,6-Dinitrotoluene	50.0	52.7	105	50.0	46.6	93.2	12.4	21	66	118
2-Chloronaphthalene	50.0	48.5	97.0	50.0	43.4	86.8	11.2	20	65	106
2-Chlorophenol	50.0	50.3	101 *	50.0	47.6	95.2	5.5	22	61	100
2-Methylnaphthalene	50.0	47.7	95.3	50.0	42.9	85.8	10.5	24	50	119
2-Nitroaniline	50.0	49.3	98.6	50.0	46.6	93.3	5.5	21	63	119
3,3´-Dichlorobenzidine	50.0	48.5	97.0	50.0	47.5	95.1	2.1	41	59	129
3-Nitroaniline	50.0	49.0	98.1	50.0	44.8	89.6	9.0	23	62	114
4-Chloroaniline	50.0	45.1	90.3	50.0	44.4	88.8	1.6	32	54	113
4-Nitroaniline	50.0	47.1	94.1	50.0	46.0	92.0	2.3	25	46	133
4-Nitrophenol	50.0	27.5	55.1	50.0	26.6	53.3	3.4	23	23	75
Acenaphthene	50.0	49.3	98.6	50.0	43.2	86.5	13.0	23	61	111
Acenaphthylene	50.0	50.9	102	50.0	44.3	88.7	13.7	23	62	113
Aniline	50.0	36.2	72.5	50.0	35.9	71.7	1.1	33	35	104
Anthracene	50.0	49.9	99.7	50.0	46.8	93.5	6.4	23	65	111
Benz(a)anthracene	50.0	49.5	99.0	50.0	46.8	93.7	5.6	32	50	108
Benzo(a)pyrene	50.0	49.9	99.7	50.0	46.7	93.4	6.6	23	69	114
Benzo(b)fluoranthene	50.0	51.0	102	50.0	48.5	97.1	5.0	26	65	113
Benzo(k)fluoranthene	50.0	45.2	90.3	50.0	43.5	87.1	3.7	26	66	116
Bis(2-chloroethyl)ether	50.0	46.3	92.6	50.0	44.0	88.0	5.1	23	58	113
Bis(2-chloroisopropyl)ether	50.0	51.3	103	50.0	49.3	98.6	4.1	19	62	106
Bis(2-ethylhexyl)phthalate	50.0	53.3	107	50.0	48.2	96.4	10.1	21	59	129
Butyl benzyl phthalate	50.0	52.4	105	50.0	49.7	99.3	5.4	32	62	123
Chrysene	50.0	50.8	102	50.0	47.3	94.6	7.2	24	63	107
Dibenz(a,h)anthracene	50.0	43.5	87.0	50.0	41.4	82.9	4.9	23	50	116

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12/24/2014 8:54:52 AM

Version 2.1 - Modified February 11, 2011

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: Semivolatile Organics by EPA 8270D **WorkOrder:** L0051459
Method: SW8270D **Lab Batch ID:** 137299

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

RunID: F_141211A-5804671 Units: ug/L
Analysis Date: 12/11/2014 14:42 Analyst: IHK
Preparation Date: 12/11/2014 8:42 Prep By: KRJ 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
Dibenzofuran	50.0	52.3	105	50.0	45.3	90.5	14.5	20	66	108
Diethyl phthalate	50.0	51.1	102	50.0	47.5	95.0	7.2	21	65	112
Dimethyl phthalate	50.0	52.9	106	50.0	47.6	95.3	10.5	20	66	109
Di-n-octyl phthalate	50.0	52.9	106	50.0	49.8	99.6	6.0	23	63	121
Fluoranthene	50.0	49.7	99.4	50.0	45.2	90.3	9.6	23	65	111
Fluorene	50.0	47.0	94.0	50.0	44.8	89.6	4.8	24	65	109
Hexachlorobenzene	50.0	42.6	85.3	50.0	45.2	90.3	5.8	20	63	114
Hexachlorobutadiene	50.0	44.8	89.5	50.0	47.4	94.8	5.7	21	57	117
Hexachlorocyclopentadiene	50.0	38.0	76.0	50.0	38.2	76.3	0.4	27	39	115
Indeno(1,2,3-cd)pyrene	50.0	44.4	88.7	50.0	42.6	85.2	4.1	24	58	119
Isophorone	50.0	49.8	99.6	50.0	46.1	92.1	7.8	21	65	111
Naphthalene	50.0	47.2	94.4	50.0	49.7	99.3	5.1	23	61	110
Nitrobenzene	50.0	49.7	99.4	50.0	48.8	97.5	2.0	21	67	112
N-Nitrosodi-n-propylamine	50.0	50.9	102	50.0	48.6	97.1	4.7	19	64	115
N-Nitrosodiphenylamine	50.0	47.1	94.2	50.0	43.9	87.7	7.1	20	61	117
Pentachlorophenol	50.0	49.2	98.3	50.0	42.7	85.4	14.1	87	35	127
Phenanthrene	50.0	49.2	98.4	50.0	49.4	98.8	0.4	22	67	109
Phenol	50.0	29.6	59.2	50.0	30.1	60.2	1.6	25	26	70
Pyrene	50.0	49.6	99.3	50.0	49.1	98.1	1.2	24	64	110
Surr: 2,4,6-Tribromophenol	75.0	73.5	98.0	75.0	69.2	92.2	6.1	30	30	146
Surr: 2-Fluorobiphenyl	50.0	46.4	92.8	50.0	45.9	91.9	1.0	30	41	124
Surr: 2-Fluorophenol	75.0	54.1	72.2	75.0	52.8	70.3	2.6	30	15	94
Surr: 4-Terphenyl-d14	50.0	52.3	105	50.0	50.0	100	4.3	30	36	129
Surr: Nitrobenzene-d5	50.0	49.4	98.9	50.0	49.0	97.9	1.0	30	40	143
Surr: Phenol-d5	75.0	34.8	46.4	75.0	33.7	44.9	3.4	30	9	73

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12/24/2014 8:54:52 AM

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: Volatile Organics-RECAP Method 8260B
Method: SW8260B
WorkOrder: L0051459
Lab Batch ID: R346702

Method Blank

RunID: GCMS1K_141210A-5802273 Units: ug/Kg
Analysis Date: 12/10/2014 11:19 Analyst: SNV
Preparation Date: 12/10/2014 11:19 Prep By: Method: SW5035

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0051459-09A	P-5-7

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

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12/24/2014 8:54:52 AM

Version 2.1 - Modified February 11, 2011

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: Volatile Organics-RECAP Method 8260B **WorkOrder:** L0051459
Method: SW8260B **Lab Batch ID:** R346702

Method Blank

RunID: GCMS1K_141210A-5802273 Units: ug/Kg
Analysis Date: 12/10/2014 11:19 Analyst: SNV
Preparation Date: 12/10/2014 11:19 Prep By: Method: SW5035

Analyte	Result	Rep Limit
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
Surr: 1,2-Dichloroethane-d4	106.0	59-143
Surr: 4-Bromofluorobenzene	101.1	38-183
Surr: Toluene-d8	98.4	52-159

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

RunID: GCMS1K_141210A-580226 Units: ug/Kg
Analysis Date: 12/10/2014 10:36 Analyst: SNV
Preparation Date: 12/10/2014 10:36 Prep By: Method: SW5035

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
1,1,1,2-Tetrachloroethane	50.0	46.8	93.6	50.0	46.2	92.5	1.2	12	56	147
1,1,1-Trichloroethane	50.0	43.7	87.5	50.0	43.0	85.9	1.8	14	52	153
1,1,2,2-Tetrachloroethane	50.0	45.4	90.9	50.0	45.2	90.3	0.6	12	55	141
1,1,2-Trichloroethane	50.0	44.9	89.9	50.0	43.9	87.7	2.5	10	55	144
1,1-Dichloroethane	50.0	43.6	87.1	50.0	42.7	85.4	2.0	12	53	148
1,1-Dichloroethene	50.0	41.8	83.6	50.0	41.7	83.4	0.2	14	49	153
1,2-Dibromo-3-chloropropane	50.0	45.8	91.5	50.0	46.0	92.1	0.6	21	51	145
1,2-Dichlorobenzene	50.0	47.5	95.0	50.0	46.2	92.5	2.6	12	55	144
1,2-Dichloroethane	50.0	44.8	89.6	50.0	44.4	88.8	0.9	10	55	144
1,2-Dichloropropane	50.0	47.0	93.9	50.0	45.7	91.3	2.8	10	56	145
1,3-Dichlorobenzene	50.0	48.2	96.4	50.0	47.1	94.1	2.4	14	54	147
1,4-Dichlorobenzene	50.0	47.6	95.2	50.0	46.5	93.0	2.3	14	54	147
2-Butanone	125	115	92.2	125	117	93.9	1.9	17	48	150
4-Methyl-2-pentanone	125	124	99.1	125	124	99.3	0.2	15	50	151

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: Volatile Organics-RECAP Method 8260B **WorkOrder:** L0051459
Method: SW8260B **Lab Batch ID:** R346702

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

RunID: GCMS1K_141210A-580226 Units: ug/Kg
Analysis Date: 12/10/2014 10:36 Analyst: SNV
Preparation Date: 12/10/2014 10:36 Prep By: Method: SW5035

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Acetone	125	107	85.5	125	117	93.7	9.2	23	40	153
Benzene	50.0	44.2	88.3	50.0	43.8	87.7	0.7	10	67	135
Bromodichloromethane	50.0	46.5	92.9	50.0	45.2	90.5	2.7	10	54	146
Bromoform	50.0	42.3	84.6	50.0	41.9	83.7	1.0	11	49	145
Bromomethane	50.0	46.2	92.5	50.0	44.2	88.3	4.6	19	40	170
Carbon disulfide	50.0	43.2	86.3	50.0	42.3	84.5	2.1	27	48	153
Carbon tetrachloride	50.0	43.5	87.0	50.0	43.5	86.9	0.1	15	50	152
Chlorobenzene	50.0	46.1	92.3	50.0	45.1	90.3	2.2	11	57	144
Chloroethane	50.0	45.5	90.9	50.0	45.2	90.4	0.6	26	38	176
Chloroform	50.0	42.0	84.1	50.0	42.1	84.3	0.3	11	53	147
Chloromethane	50.0	46.4	92.9	50.0	45.1	90.2	2.9	13	39	152
cis-1,3-Dichloropropene	50.0	48.0	96.0	50.0	47.4	94.9	1.2	11	54	148
Dibromochloromethane	50.0	48.0	96.1	50.0	47.5	95.0	1.2	10	54	146
Ethylbenzene	50.0	47.7	95.5	50.0	46.4	92.8	2.9	12	69	136
Hexachloroethane	50.0	50.6	101	50.0	48.4	96.7	4.5	18	46	150
Isobutyl alcohol	500	427	85.5	500	423	84.7	0.9	70	37	154
Methyl tert-butyl ether	50.0	45.2	90.4	50.0	44.6	89.3	1.3	13	61	142
Methylene chloride	50.0	43.7	87.4	50.0	42.9	85.8	1.9	13	51	142
Styrene	50.0	51.2	102	50.0	49.7	99.5	2.9	12	56	145
Tetrachloroethene	50.0	46.8	93.6	50.0	45.9	91.9	1.8	15	54	156
Toluene	50.0	48.2	96.5	50.0	46.6	93.2	3.4	11	71	135
trans-1,3-Dichloropropene	50.0	50.0	99.9	50.0	49.1	98.2	1.8	11	53	151
Trichloroethene	50.0	45.1	90.2	50.0	44.3	88.5	1.8	12	56	151
Trichlorofluoromethane	50.0	44.6	89.3	50.0	44.1	88.2	1.2	47	36	171
Vinyl chloride	50.0	42.7	85.4	50.0	42.9	85.7	0.3	13	42	155
cis-1,2-Dichloroethene	50.0	43.3	86.5	50.0	43.1	86.2	0.4	12	52	147
m,p-Xylene	100	94.7	94.7	100	91.7	91.7	3.2	13	70	140
o-Xylene	50.0	48.2	96.5	50.0	46.7	93.4	3.3	12	70	132
trans-1,2-Dichloroethene	50.0	42.2	84.4	50.0	41.8	83.7	0.9	15	51	152

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: Volatile Organics-RECAP Method 8260B **WorkOrder:** L0051459
Method: SW8260B **Lab Batch ID:** R346702

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

RunID: GCMS1K_141210A-580226 Units: ug/Kg
Analysis Date: 12/10/2014 10:36 Analyst: SNV
Preparation Date: 12/10/2014 10:36 Prep By: Method: SW5035

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
1,2-Dichloroethene (total)	100	85.5	85.5	100	84.9	84.9	0.7	13	52	149
Xylenes,Total	150.0	142.9	95.27	150.0	138.4	92.29	3.2	16	69	138
Surr: 1,2-Dichloroethane-d4	50.0	47.6	95.3	50.0	47.1	94.1	1.2	30	59	143
Surr: 4-Bromofluorobenzene	50.0	50.6	101	50.0	50.8	102	0.4	30	38	183
Surr: Toluene-d8	50.0	50.4	101	50.0	49.2	98.3	2.5	30	52	159

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: Volatile Organics-RECAP Method 8260B **WorkOrder:** L0051459
Method: SW8260B **Lab Batch ID:** R346757

Method Blank

RunID: GCMS1X_141210F-5803195 Units: ug/L
Analysis Date: 12/11/2014 1:09 Analyst: SNV

Samples in Analytical Batch:

Lab Sample ID	Client Sample ID
L0051459-16A	PW-5

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

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: Volatile Organics-RECAP Method 8260B **WorkOrder:** L0051459
Method: SW8260B **Lab Batch ID:** R346757

Method Blank

RunID: GCMS1X_141210F-5803195 Units: ug/L
Analysis Date: 12/11/2014 1:09 Analyst: SNV

Analyte	Result	Rep Limit
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
Surr: 1,2-Dichloroethane-d4	102.1	84-124
Surr: 4-Bromofluorobenzene	100.1	89-111
Surr: Toluene-d8	101.2	83-115

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

RunID: GCMS1X_141210F-580319 Units: ug/L
Analysis Date: 12/11/2014 0:12 Analyst: SNV

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	20.0	17.7	88.4	20.0	19.0	94.8	7.0	11	84	120
1,1,1-Trichloroethane	20.0	20.8	104	20.0	20.4	102	1.7	11	74	126
1,1,2,2-Tetrachloroethane	20.0	15.3	76.4 *	20.0	16.8	84.0	9.6	13	77	126
1,1,2-Trichloroethane	20.0	16.5	82.7	20.0	18.0	90.0	8.4	12	80	123
1,1-Dichloroethane	20.0	19.1	95.4	20.0	19.3	96.5	1.2	11	78	124
1,1-Dichloroethene	20.0	18.7	93.5	20.0	18.5	92.5	1.1	14	70	134
1,2-Dibromo-3-chloropropane	20.0	17.0	85.0	20.0	19.4	97.2	13.4	21	67	131
1,2-Dichlorobenzene	20.0	18.5	92.3	20.0	18.0	90.2	2.3	11	83	120
1,2-Dichloroethane	20.0	20.2	101	20.0	21.6	108	6.3	10	74	127
1,2-Dichloropropane	20.0	17.9	89.3	20.0	18.7	93.5	4.6	10	82	120
1,3-Dichlorobenzene	20.0	18.3	91.6	20.0	17.9	89.4	2.3	11	84	121
1,4-Dichlorobenzene	20.0	17.3	86.7	20.0	17.5	87.5	0.9	11	83	122
2-Butanone	50.0	43.2	86.5	50.0	50.0	100	14.5	26	59	149
4-Methyl-2-pentanone	50.0	41.5	83.1	50.0	47.2	94.4	12.7	18	74	131

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.
TNTC - Too numerous to count

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12/24/2014 8:54:53 AM

Version 2.1 - Modified February 11, 2011

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: Volatile Organics-RECAP Method 8260B **WorkOrder:** L0051459
Method: SW8260B **Lab Batch ID:** R346757

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

RunID: GCMS1X_141210F-580319 Units: ug/L
Analysis Date: 12/11/2014 0:12 Analyst: SNV

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
Acetone	50.0	48.8	97.7	50.0	52.3	105	6.8	26	38	178
Benzene	20.0	18.2	91.0	20.0	19.0	94.9	4.2	10	82	119
Bromodichloromethane	20.0	19.9	99.3	20.0	20.6	103	3.8	11	79	120
Bromoform	20.0	18.0	90.2	20.0	19.9	99.6	9.9	12	68	128
Bromomethane	20.0	19.3	96.4	20.0	15.9	79.4	19.4	34	38	198
Carbon disulfide	20.0	18.8	94.0	20.0	18.6	93.2	0.9	12	64	133
Carbon tetrachloride	20.0	20.6	103	20.0	21.2	106	3.0	13	69	132
Chlorobenzene	20.0	17.5	87.7	20.0	18.2	91.1	3.8	9	85	120
Chloroethane	20.0	16.0	80.1	20.0	16.5	82.5	3.0	24	33	170
Chloroform	20.0	20.3	101	20.0	21.1	106	4.1	11	80	122
Chloromethane	20.0	13.7	68.7	20.0	13.9	69.4	1.0	14	50	136
cis-1,3-Dichloropropene	20.0	18.4	91.8	20.0	19.1	95.5	4.0	10	79	122
Dibromochloromethane	20.0	17.7	88.7	20.0	19.6	98.2	10.1 *	10	73	125
Ethylbenzene	20.0	17.5	87.5	20.0	18.3	91.3	4.2	10	84	117
Hexachloroethane	20.0	16.0	80.2	20.0	16.4	82.2	2.5	16	53	141
Isobutyl alcohol	200	173	86.5	200	197	98.6	13.1	121	20	175
Methyl tert-butyl ether	20.0	20.2	101	20.0	20.9	105	3.3	58	75	126
Methylene chloride	20.0	18.4	91.8	20.0	18.2	90.8	1.1	21	71	130
Styrene	20.0	18.6	93.0	20.0	19.3	96.6	3.7	10	79	128
Tetrachloroethene	20.0	17.9	89.7	20.0	19.2	96.0	6.9	13	75	133
Toluene	20.0	16.8	83.8	20.0	18.1	90.4	7.6	10	80	121
trans-1,3-Dichloropropene	20.0	17.2	86.2	20.0	18.5	92.6	7.2	11	78	124
Trichloroethene	20.0	20.2	101	20.0	21.2	106	4.9	11	82	125
Trichlorofluoromethane	20.0	21.3	106	20.0	20.6	103	3.3	16	62	148
Vinyl chloride	20.0	16.8	84.2	20.0	16.6	83.1	1.3	14	67	130
cis-1,2-Dichloroethene	20.0	18.6	93.0	20.0	19.4	97.1	4.3	11	78	122
m,p-Xylene	40.0	35.2	88.0	40.0	37.3	93.3	5.9	10	82	121
o-Xylene	20.0	17.6	88.2	20.0	18.3	91.5	3.6	10	84	119
trans-1,2-Dichloroethene	20.0	18.1	90.6	20.0	19.3	96.6	6.5	18	75	127

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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12/24/2014 8:54:53 AM

Version 2.1 - Modified February 11, 2011

ACCUTEST LABORATORIES

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: Volatile Organics-RECAP Method 8260B **WorkOrder:** L0051459
Method: SW8260B **Lab Batch ID:** R346757

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

RunID: GCMS1X_141210F-580319 Units: ug/L
Analysis Date: 12/11/2014 0:12 Analyst: SNV

Analyte	LCS Spike Added	LCS Result	LCS Percent Recovery	LCSD Spike Added	LCSD Result	LCSD Percent Recovery	RPD	RPD Limit	Lower Limit	Upper Limit
1,2-Dichloroethene (total)	40.0	36.7	91.8	40.0	38.7	96.9	5.4	13	78	123
1,3-Dichloropropene,Total	40.0	35.6	89.0	40.0	37.6	94.0	5.5	10	80	121
Xylenes,Total	60.0	52.8	88.0	60.0	55.6	92.7	5.2	10	81	122
Surr: 1,2-Dichloroethane-d4	50.0	49.2	98.3	50.0	50.8	102	3.3	30	84	124
Surr: 4-Bromofluorobenzene	50.0	51.4	103	50.0	53.1	106	3.4	30	89	111
Surr: Toluene-d8	50.0	47.8	95.6	50.0	48.5	97.0	1.4	30	83	115

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

Sample Spiked: L0051544-05
RunID: GCMS1X_141210F-580320 Units: ug/L
Analysis Date: 12/11/2014 9:44 Analyst: SNV

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	100	86.1	86.1	100	86.8	86.8	0.803	11	84	120
1,1,1-Trichloroethane	ND	100	104	104	100	98.6	98.6	5.65	11	74	126
1,1,2,2-Tetrachloroethane	ND	100	65.9	65.9 *	100	68.7	68.7 *	4.19	13	77	126
1,1,2-Trichloroethane	ND	100	78.5	78.5 *	100	78.0	78.0 *	0.567	12	80	123
1,1-Dichloroethane	ND	100	91.0	91.0	100	89.6	89.6	1.48	11	78	124
1,1-Dichloroethene	ND	100	95.2	95.2	100	89.5	89.5	6.15	14	70	134
1,2-Dibromo-3-chloropropane	ND	100	67.9	67.9	100	71.2	71.2	4.75	21	67	131
1,2-Dichlorobenzene	ND	100	83.6	83.6	100	83.3	83.3	0.312	11	83	120
1,2-Dichloroethane	ND	100	96.9	96.9	100	94.1	94.1	3.01	10	74	127
1,2-Dichloropropane	ND	100	87.9	87.9	100	84.6	84.6	3.82	10	82	120
1,3-Dichlorobenzene	ND	100	81.8	81.8 *	100	83.6	83.6 *	2.09	11	84	121

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
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12/24/2014 8:54:53 AM

Version 2.1 - Modified February 11, 2011

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

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: Volatile Organics-RECAP Method 8260B
Method: SW8260B
WorkOrder: L0051459
Lab Batch ID: R346757

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

Sample Spiked: L0051544-05
RunID: GCMS1X_141210F-580320 Units: ug/L
Analysis Date: 12/11/2014 9:44 Analyst: SNV

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	100	80.4	80.4 *	100	80.4	80.4 *	0.000124	11	83	122
2-Butanone	ND	250	205	82.2	250	200	79.9	2.78	26	59	149
4-Methyl-2-pentanone	ND	250	180	72.0 *	250	184	73.6 *	2.14	18	74	131
Acetone	ND	250	274	110	250	244	97.6	11.6	26	38	178
Benzene	ND	100	90.0	90.0	100	87.8	87.8	2.41	10	82	119
Bromodichloromethane	ND	100	95.2	95.2	100	95.7	95.7	0.585	11	79	120
Bromoform	ND	100	79.1	79.1	100	83.0	83.0	4.81	12	68	128
Bromomethane	ND	100	52.5	52.5	100	63.6	63.6	19.2	34	38	198
Carbon disulfide	ND	100	91.6	91.6	100	84.6	84.6	7.99	12	64	133
Carbon tetrachloride	ND	100	102	102	100	102	102	0.473	13	69	132
Chlorobenzene	ND	100	86.1	86.1	100	86.5	86.5	0.490	9	85	120
Chloroethane	ND	100	74.7	74.7	100	70.1	70.1	6.35	24	33	170
Chloroform	ND	100	99.3	99.3	100	94.5	94.5	4.91	11	80	122
Chloromethane	ND	100	69.9	69.9	100	64.4	64.4	8.25	14	50	136
cis-1,3-Dichloropropene	ND	100	87.2	87.2	100	85.2	85.2	2.37	10	79	122
Dibromochloromethane	ND	100	85.3	85.3	100	83.0	83.0	2.71	10	73	125
Ethylbenzene	ND	100	83.8	83.8 *	100	83.0	83.0 *	1.00	10	84	117
Hexachloroethane	ND	100	44.6	44.6 *	100	65.5	65.5	38.1 *	16	53	141
Isobutyl alcohol	ND	1000	577	57.7	1000	604	60.4	4.62	121	20	175
Methyl tert-butyl ether	ND	100	93.6	93.6	100	90.7	90.7	3.09	58	75	126
Methylene chloride	ND	100	90.6	90.6	100	90.5	90.5	0.136	21	71	130
Styrene	ND	100	87.6	87.6	100	87.7	87.7	0.0754	10	79	128
Tetrachloroethene	ND	100	100	100	100	89.3	89.3	11.6	13	75	133
Toluene	ND	100	80.0	80.0 *	100	79.9	79.9 *	0.110	10	80	121
trans-1,3-Dichloropropene	ND	100	77.1	77.1 *	100	75.4	75.4 *	2.33	11	78	124
Trichloroethene	ND	100	101	101	100	100	100	1.00	11	82	125
Trichlorofluoromethane	ND	100	95.1	95.1	100	96.0	96.0	0.909	16	62	148
Vinyl chloride	ND	100	78.7	78.7	100	76.5	76.5	2.93	14	67	130

Qualifiers:
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ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

Quality Control Report

PPM CONSULTANTS, INC.

115409

Analysis: Volatile Organics-RECAP Method 8260B **WorkOrder:** L0051459
Method: SW8260B **Lab Batch ID:** R346757

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

Sample Spiked: L0051544-05
RunID: GCMS1X_141210F-580320 Units: ug/L
Analysis Date: 12/11/2014 9:44 Analyst: SNV

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
cis-1,2-Dichloroethene	ND	100	88.5	88.5	100	84.1	84.1	5.15	11	78	122
m,p-Xylene	ND	200	173	86.6	200	169	84.4	2.59	10	82	121
o-Xylene	ND	100	85.6	85.6	100	81.9	81.9 *	4.35	10	84	119
trans-1,2-Dichloroethene	ND	100	89.5	89.5	100	83.8	83.8	6.60	18	75	127
1,2-Dichloroethene (total)	ND	200	178	89.0	200	168	83.9	5.87	13	78	123
1,3-Dichloropropene,Total	ND	200	164.3	82.18	200	160.6	80.27	2.351	10	80	121
Xylenes,Total	ND	300	258.6	86.27	300	250.9	83.58	3.168	10	81	122
Surr: 1,2-Dichloroethane-d4	ND	250	245	97.8	250	243	97.4	0.471	30	84	124
Surr: 4-Bromofluorobenzene	ND	250	259	103	250	255	102	1.52	30	89	111
Surr: Toluene-d8	ND	250	247	98.6	250	250	100	1.49	30	83	115

Qualifiers:
ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
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12/24/2014 8:54:53 AM

Version 2.1 - Modified February 11, 2011

Sample Receipt Checklist

And

Chain of Custody

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

Sample Receipt Checklist

Workorder:	**L0051459**	Received By:	**MAR**
Date and Time Received:	**12/5/2014 4:10:00 PM**	Carrier name:	**Accutest-Driver-No. LA**
Temperature:	**4.9°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**

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

Client Name Contacted: _____

Non Conformance Issues: _____

Client Instructions: _____

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

Accutest Gulf Coast
500 Ambassador Caffery Pkwy, Scott, LA 70583
TEL.337-237-4775 FAX: 337-237-7838
www.accutest.com

LSR-F005.00

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: L0051459

Client / Reporting Information

Company Name: PPM Consultants
Street Address: 1800 Lamy Lane
City: Monroe State: LA Zip: 71201
Project Contact: Chris Sampognaro E-mail:
Phone #: (318) 323-5220 Fax #:
Sampler(s) Name(s): Bobby Gill Phone #:

Project Information

Project Name: Holly Ridge NW (115409)
Street:
City: Holly Ridge State: LA
Project #: 115409
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City State Zip:
Attention:

Requested Analyses

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	# of bottles	HCl	NaOH	Zn/NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	TSP	NaHSO4	ENCORE	OTHER	TPH-D 8015B	BTEX 8021B	TPH-G 8015B	VOCs 8260C	SVOCs 8270C	Pesticides 8081	Herbicides 8151	RCRA Metals 6010B	LAB USE ONLY
	P-1-8	12/4	1037	BGH	SO	2						2							X					X	X		2
	~~P-1-10~~	~~12/4~~	~~1038~~	~~BGH~~	~~SO~~	~~2~~						~~2~~												X	X		2
	P-2-8	12/4	1059	BGH	SO	2						2							X								2
	~~P-2-10~~	~~12/4~~	~~1100~~	~~BGH~~	~~SO~~	~~2~~						~~2~~							X								2
	P-3-7	12/4	1124	BGH	SO	2						2							X								2
	~~P-3-10~~	~~12/4~~	~~1131~~	~~BGH~~	~~SO~~	~~2~~						~~2~~							X								2
	P-4-7	12/4	1159	BGH	SO	2						2							X								2
	~~P-4-10~~	~~12/4~~	~~1205~~	~~BGH~~	~~SO~~	~~2~~						~~2~~							X								2
	P-5-7	12/4	1303	BGH	SO	4						4										X	X	X	X	X	2,4
	~~P-5-10~~	~~12/4~~	~~1304~~	~~BGH~~	~~SO~~	~~4~~						~~4~~										X	X	X	X	X	4
	P-6-8	12/4	1413	BGH	SO	2						2							X	X	X						2
	~~P-6-10~~	~~12/4~~	~~1420~~	~~BGH~~	~~SO~~	~~2~~						~~2~~							X	X	X						2

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Turnaround Time (Business days)

- [X] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULT1 (Level 3+4)
- [ ] REDT1 (Level 3+4)
- [ ] Commercial "C"
- [ ] TRRP
- [ ] EDD Format
- [ ] Other RS-274 (13)

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC & Surrogate Summary

Comments / Special Instructions

(7) RMC-8 (VS) VX-30 (12)
TIER (1F) VS-88 (3)
Hold boring termination samples (P-1-10) WS-16 (1)

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	12/5 1200	1	2	12/5/14 1610	2 Mark Red
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact	Preserved where applicable	On Ice	Cooler Temp.

CHAIN OF CUSTODY

ACCUTEST LABORATORIES

Accutest Gulf Coast
500 Ambassador Caffery Pkwy, Scott, LA 70583
TEL.337-237-4775 FAX: 337-237-7838
www.accutest.com

LSR-F005.00

FED-EX Tracking # | Bottle Order Control #
Accutest Quote # | Accutest Job #

Client / Reporting Information

Company Name: PW Consultants
Street Address: 1600 Lamy Lane
City: Monroe State: LA Zip:
Project Contact: Chris Sampognaro E-mail:
Phone #: (318) 323-5220 Fax #:
Sampler(s) Name(s): Bobby Gothill Phone #:

Project Information

Project Name: Holly Ridge NW (115409)
Street:
City: State:
Project #: 115409
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analyses

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	# of bottles	HCl	NaOH	Zn/NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	TSP	NaHSO4	ENCORE	OTHER	TPH-D 8015B	BTEX 8021B	TPH-G 8015B	VOCs 8260B	SVOCs 8270C	Pesticides 8081	Herbicides 8151	LAB USE ONLY
	PW-1	12/4	1520	BGH	GW	2						2												X	X	2
	PW-2	12/4	1530	BGH		3						3							X							3
	PW-3	12/4	1540	BGH		3						3							X							3
	PW-4	12/4	1550	BGH		3						3							X							3
	PW-5	12/4	1600	BGH		7	4					3										X	X	X	X	7
	PW-6	12/4	1610	BGH		7	4					3							X	X	X					7

Turnaround Time (Business days)

- [x] Standard
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Labtink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULT1 (Level 3+4)
- [ ] REDT1 (Level 3+4)
- [ ] Commercial "C"
- [ ] TRRP
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC & Surrogate Summary

Comments / Special Instructions

TIER (1F)

Sample Custody must be documented below each time samples change possession, including courier delivery.

1 Relinquished by Sampler: BGH	Date Time: 12/5 1200	Received By: 1	Relinquished By: 2	Date Time: 12/5/14 16:10	Received By: 2 Mark Reed		
3 Relinquished by Sampler:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4		
Relinquished by:	Date Time:	Received By:	Custody Seal #	Intact	Preserved where applicable	On Ice	Cooler Temp.

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12/23/14

Technical Report for

Accutest SPL Lafayette

PPM Consultants Inc., LA

L0051459

Accutest Job Number: JB83616

Sampling Date: 12/04/14

Report to:

kathyv@accutest.com
kittyb@accutest.com

ATTN: Distribution6

Total number of pages in report: 16

NELAP ACCREDITED TNI LABORATORY

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Victoria Pushkova 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), AZ (AZ0786), PA, RI, SC, TN, VA, WV, DoD ELAP (L-A-B L2248)

Sections:

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Sample Summary

Accutest SPL Lafayette

Job No: JB83616

PPM Consultants Inc., LA
Project No: L0051459

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JB83616-1	12/04/14	10:37	RH	12/09/14	SO	Soil	P-1-8
JB83616-2	12/04/14	13:23	RH	12/09/14	SO	Soil	P-5-7

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Accutest SPL Lafayette	**Job No**	JB83616
Site:	PPM Consultants Inc., LA	**Report Date**	12/23/2014 3:00:43 P

On 12/09/2014, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 3.6 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB83616 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Extractables by GC By Method SW846 8151

Matrix: SO **Batch ID:** OP80481

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB83475-19MS, JB83475-19MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 2,4,5-T, 2,4-D, 2,4-DB, MCPP are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 2,4-D, 2,4,5-T, 2,4-DB, MCPP are outside control limits. Outside control limits due to matrix interference.
- OP80481-MS for MCPA: Reported from 2nd signal. %D of end check calibration on 1st signal exceed method criteria (15%) so using for confirmation only.

Wet Chemistry By Method SM2540 G-97

Matrix: SO **Batch ID:** GN16930

- The data for SM2540 G-97 meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

Job Number: JB83616
Account: Accutest SPL Lafayette
Project: PPM Consultants Inc., LA
Collected: 12/04/14

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB83616-1	**P-1-8**					
No hits reported in this sample.						
JB83616-2	**P-5-7**					
No hits reported in this sample.						

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Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	P-1-8		
Lab Sample ID:	JB83616-1	**Date Sampled:**	12/04/14
Matrix:	SO - Soil	**Date Received:**	12/09/14
Method:	SW846 8151 SW846 3550C	**Percent Solids:**	78.1
Project:	PPM Consultants Inc., LA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G88188.D	1	12/19/14	VDT	12/17/14	OP80481	G3G3082
Run #2							

	Initial Weight	Final Volume
Run #1	33.1 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.019	0.0056	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0039	0.00068	mg/kg	
93-76-5	2,4,5-T	ND	0.0039	0.0017	mg/kg	
75-99-0	Dalapon	ND	0.0039	0.0013	mg/kg	
1918-00-9	Dicamba	ND	0.0039	0.00079	mg/kg	
120-36-5	Dichloroprop	ND	0.019	0.0046	mg/kg	
88-85-7	Dinoseb	ND	0.019	0.0036	mg/kg	
94-74-6	MCPA	ND	1.9	0.61	mg/kg	
93-65-2	MCPP	ND	1.9	0.32	mg/kg	
94-82-6	2,4-DB	ND	0.019	0.013	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	125%		13-146%
19719-28-9	2,4-DCAA	72%		13-146%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	P-5-7		
Lab Sample ID:	JB83616-2	**Date Sampled:**	12/04/14
Matrix:	SO - Soil	**Date Received:**	12/09/14
Method:	SW846 8151 SW846 3550C	**Percent Solids:**	82.1
Project:	PPM Consultants Inc., LA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G88189.D	1	12/19/14	VDT	12/17/14	OP80481	G3G3082
Run #2							

	Initial Weight	Final Volume
Run #1	33.5 g	10.0 ml
Run #2		

Herbicide List

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	0.018	0.0053	mg/kg	
93-72-1	2,4,5-TP (Silvex)	ND	0.0036	0.00064	mg/kg	
93-76-5	2,4,5-T	ND	0.0036	0.0016	mg/kg	
75-99-0	Dalapon	ND	0.0036	0.0013	mg/kg	
1918-00-9	Dicamba	ND	0.0036	0.00074	mg/kg	
120-36-5	Dichloroprop	ND	0.018	0.0043	mg/kg	
88-85-7	Dinoseb	ND	0.018	0.0034	mg/kg	
94-74-6	MCPA	ND	1.8	0.57	mg/kg	
93-65-2	MCPP	ND	1.8	0.30	mg/kg	
94-82-6	2,4-DB	ND	0.018	0.012	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
19719-28-9	2,4-DCAA	136%		13-146%
19719-28-9	2,4-DCAA	92%		13-146%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest, Inc.
500 Ambassador Caffery Parkway
Scott, LA 70583-8544
(337) 237-4775

CHAIN-OF-CUSTODY RECORD

Company: PPM CONSULTANTS, INC.
Project Manager: Hebert, Rebecca
Project Name: 115409
QCLevel: REC-NF
Requested State: Louisiana

Subcontractor: VICKY PUSHKOVA
ACCUTEST LABORATORIES
2235 US HIGHWAY 130
DAYTON, NJ 08810
TEL: (732) 329-0200
FAX: (732) 329-3499
Acct #:

JB83616 08-Dec-14

Sample ID	Client Sample	Matrix	Collection Date	Due Date	Requested Tests						
					SW3550C	SW8151A					
L0051459-01B	P-1-8	Solid	12/04/14 10:37	12/11/14		1					- 1
L0051459-01B	P-1-8	Solid	12/04/14 10:37	12/08/14	1						
L0051459-09C	P-5-7	Soil	12/04/14 13:23	12/11/14		1					- 2
L0051459-09C	P-5-7	Soil	12/04/14 13:23	12/08/14	1						

12/15/14

E 85 T1

Comments: HERBICIDES 8151-Please contact Rebecca Hebert for questions (800-304-5227). Please issue a full PDF report by e-mail (including COC documentation) to rebecca1@accutest.com.

		Date/Time			Date/Time
Relinquished by:	Kaylyn Kidd	12-8-14 15:40	**Received by:**	FedEx	
Relinquished by:	FedEx		**Received by:**		12/9/14 1000

3B NL

9173 7256 2775 no seal

3.6°C IR

NL

JB83616: Chain of Custody
Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB83616 **Client:** **Project:**

Date / Time Received: 12/9/2014 10:00:00 AM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (3.6/3.5); 0

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JB83616: Chain of Custody
Page 2 of 2

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GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Job Number: JB83616
Account: ALLA Accutest SPL Lafayette
Project: PPM Consultants Inc., LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP80481-MB1	OA104951.D	1	12/19/14	VDT	12/17/14	OP80481	GOA3616

The QC reported here applies to the following samples: **Method:** SW846 8151

JB83616-1, JB83616-2

CAS No.	Compound	Result	RL	MDL	Units	Q
94-75-7	2,4-D	ND	17	4.8	ug/kg	
93-72-1	2,4,5-TP (Silvex)	ND	3.3	0.58	ug/kg	
93-76-5	2,4,5-T	ND	3.3	1.5	ug/kg	
75-99-0	Dalapon	ND	3.3	1.1	ug/kg	
1918-00-9	Dicamba	ND	3.3	0.68	ug/kg	
120-36-5	Dichloroprop	ND	17	3.9	ug/kg	
88-85-7	Dinoseb	ND	17	3.1	ug/kg	
94-74-6	MCPA	ND	1700	530	ug/kg	
93-65-2	MCPP	ND	1700	270	ug/kg	
94-82-6	2,4-DB	ND	17	11	ug/kg	

CAS No.	Surrogate Recoveries		Limits
19719-28-9	2,4-DCAA	112%	13-146%
19719-28-9	2,4-DCAA	101%	13-146%

Blank Spike Summary

Job Number: JB83616
Account: ALLA Accutest SPL Lafayette
Project: PPM Consultants Inc., LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP80481-BS1	OA104952.D	1	12/19/14	VDT	12/17/14	OP80481	GOA3616

The QC reported here applies to the following samples: **Method:** SW846 8151

JB83616-1, JB83616-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
94-75-7	2,4-D	66.7	72.2	108	49-137
93-72-1	2,4,5-TP (Silvex)	13.3	11.2	84	63-136
93-76-5	2,4,5-T	13.3	11.5	86	51-148
75-99-0	Dalapon	13.3	12.1	91	18-170
1918-00-9	Dicamba	13.3	12.8	96	48-152
120-36-5	Dichloroprop	66.7	69.8	105	57-134
88-85-7	Dinoseb	66.7	30.3	45	27-144
94-74-6	MCPA	3330	3590	108	43-150
93-65-2	MCPP	3330	3610	108	51-161
94-82-6	2,4-DB	66.7	52.7	79	37-167

CAS No.	Surrogate Recoveries	BSP	Limits
19719-28-9	2,4-DCAA	111%	13-146%
19719-28-9	2,4-DCAA	110%	13-146%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JB83616
Account: ALLA Accutest SPL Lafayette
Project: PPM Consultants Inc., LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP80481-MS	OA105068.D	1	12/22/14	VDT	12/17/14	OP80481	GOA3619
OP80481-MSD	OA105069.D	1	12/22/14	VDT	12/17/14	OP80481	GOA3619
JB83475-19	OA105070.D	1	12/22/14	VDT	12/17/14	OP80481	GOA3619

The QC reported here applies to the following samples: **Method:** SW846 8151

JB83616-1, JB83616-2

CAS No.	Compound	JB83475-19 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
94-75-7	2,4-D	ND		69.6	17.7	25* [a]	69.6	16.0	23* [a]	10	26-139/58
93-72-1	2,4,5-TP (Silvex)	ND		13.9	4.5	32	13.9	5.2	37	14	25-149/54
93-76-5	2,4,5-T	ND		13.9	ND	0* [a]	13.9	ND	0* [a]	nc	18-164/59
75-99-0	Dalapon	ND		13.9	12.5	90	13.9	14.3	103	13	4-188/58
1918-00-9	Dicamba	ND		13.9	5.5	39	13.9	6.4	46	6	22-165/59
120-36-5	Dichloroprop	ND		69.6	17.8	26	69.6	21.1	30	17	23-150/66
88-85-7	Dinoseb	ND		69.6	39.4	57	69.6	36.9	53	7	2-140/59
94-74-6	MCPA	ND		3480	1650	47 [b]	3480	1570	45	5	11-177/61
93-65-2	MCPP	ND		3480	ND	0* [a]	3480	ND	0* [a]	nc	1-183/56
94-82-6	2,4-DB	ND		69.6	ND	0* [a]	69.6	ND	0* [a]	nc	3-167/64

CAS No.	Surrogate Recoveries	MS	MSD	JB83475-19	Limits
19719-28-9	2,4-DCAA	32%	36%	14%	13-146%
19719-28-9	2,4-DCAA	21%	18%	16%	13-146%

(a) Outside control limits due to matrix interference.
(b) Reported from 2nd signal. %D of end check calibration on 1st signal exceed method criteria (15%) so using for confirmation only.

* = Outside of Control Limits.

Semivolatile Surrogate Recovery Summary

Job Number: JB83616
Account: ALLA Accutest SPL Lafayette
Project: PPM Consultants Inc., LA

Method: SW846 8151 **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]
JB83616-1	3G88188.D	125	72
JB83616-2	3G88189.D	136	92
OP80481-BS1	OA104952.D	111	110
OP80481-MB1	OA104951.D	112	101
OP80481-MS	OA105068.D	32	21
OP80481-MSD	OA105069.D	36	18

Surrogate Compounds	Recovery Limits
S1 = 2,4-DCAA	13-146%

(a) Recovery from GC signal #2
(b) Recovery from GC signal #1