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

August 15, 2012

Sandy Wackett
DEQ LABORATORY
602 N. Fifth St.
Baton Rouge, LA 70802

RE: Project 20142564
Project ID: BAYOU CORNE SLURRY POND

Dear Sandy Wackett:

Enclosed are the analytical results for sample(s) received by the laboratory on August 09, 2012. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerly,

Cindy Olavesen

Cindy Olavesen
cindy.olavesen@pacelabs.com

REPORT OF LABORATORY ANALYSIS

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Cover No Results 8/15/2012 08:48

Laboratory Certifications

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

Project: 20142564

Client: DEQ LABORATORY

Project ID: BAYOU CORNE SLURRY POND

Washington Department of Ecology C2078
Oregon Environmental Laboratory Accreditation - LA200001
U.S. Dept. of Agriculture Foreign Soil Import P330-10-00119
Pennsylviania Dept. of Env Protection (NELAC) 68-04202
Texas Commission on Env. Quality (NELAC) T104704405-09-TX
Kansas Department of Health and Environment (NELAC) E-10266
Florida Department of Health (NELAC) E87595
Oklahoma Department of Environmental Quality - 2010-139
Illinois Environmental Protection Agency - 0025721
California Env. Lab Accreditation Program Branch - 11277CA
Louisiana Dept. of Environmental Quality (NELAC/LELAP) 02006

8/15/2012 08:48:50

Sample Cross Reference

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

Project: 20142564

Client: DEQ LABORATORY

Project ID: BAYOU CORNE SLURRY POND

Client Sample ID	Lab ID	Matrix	Collection Date/Time	Received Date/Time
040-120808-01-A	201011526	Other	08-Aug-12 15:24	09-Aug-12 10:00
040-120808-03-A	201011527	Other	08-Aug-12 15:58	09-Aug-12 10:00
040-120808-05-A	201011528	Other	08-Aug-12 16:03	09-Aug-12 10:00
040-120808-02-A	201011533	Other	08-Aug-12 15:24	09-Aug-12 10:00
040-120808-04-A	201011535	Other	08-Aug-12 15:58	09-Aug-12 10:00
040-120808-06-A	201011537	Other	08-Aug-12 16:03	09-Aug-12 10:00

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Project: 20142564

Narrative detail for GC/MS semi-volatiles analyses:

Sample volumes were limited for these analyses. Therefore, the lab was unable to perform a separate solid phase extraction for SIM.

Rather, aliquots of the liquid-liquid extraction extracts were analyzed on the SIM instrument to provide SIM data. All associated QC was also re-analyzed on the SIM instrument.

Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
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Project: 20142564

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

All blank results were below reporting limits.

Laboratory Control Samples:

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

Matrix Spikes and Duplicates:

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

Surrogates:

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

Regulatory, Permit or Client Specified Limits:

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

QC Cross Reference

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

Project: 20142564

Analytical Method	Batch	Sample used for QC
EPA 8260	190050	Batch sample from another client
SM 4500-Cl E	190069	Project sample 040-120808-02-A

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

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

Sample Results

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

Client: DEQ LABORATORY

Client ID: 040-120808-01-A
Project: 20142564
Project ID: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011526
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 190050
Method: EPA 8260
GCMS VOAs Water
Collected: 08-Aug-12
Received: 09-Aug-12
Prepared: 13-Aug-12

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis	
67-64-1	Acetone	2.5	ND	D2,M1	0.0250	0.100	13-Aug-12 13:44	RMP
71-43-2	Benzene	2.5	0.126	D2,M1	0.0125	0.00500	13-Aug-12 13:44	RMP
75-27-4	Bromodichloromethane	2.5	ND	D2,M1	0.0125	0.100	13-Aug-12 13:44	RMP
75-25-2	Bromoform	2.5	ND	D2,M1	0.0125	0.100	13-Aug-12 13:44	RMP
74-83-9	Bromomethane	2.5	ND	D2,M1	0.0125	0.0100	13-Aug-12 13:44	RMP
78-93-3	2-Butanone (MEK)	2.5	ND	D2,M1	0.0250	0.190	13-Aug-12 13:44	RMP
75-15-0	Carbon disulfide	2.5	ND	D2,M1	0.0125	0.100	13-Aug-12 13:44	RMP
56-23-5	Carbon tetrachloride	2.5	ND	D2,M1	0.0125	0.00500	13-Aug-12 13:44	RMP
108-90-7	Chlorobenzene	2.5	ND	D2,M1	0.0125	0.100	13-Aug-12 13:44	RMP
75-00-3	Chloroethane	2.5	ND	D2,M1	0.0125	0.0100	13-Aug-12 13:44	RMP
67-66-3	Chloroform	2.5	ND	D2,M1	0.0125	0.100	13-Aug-12 13:44	RMP
74-87-3	Chloromethane	2.5	ND	D2,M1	0.0125	0.0100	13-Aug-12 13:44	RMP
124-48-1	Dibromochloromethane	2.5	ND	D2,M1	0.0125	0.100	13-Aug-12 13:44	RMP
96-12-8	1,2-Dibromo-3-chloropropane	2.5	ND	D2,M1	0.0125	0.000200	13-Aug-12 13:44	RMP
75-34-3	1,1-Dichloroethane	2.5	ND	D2,M1	0.0125	0.0810	13-Aug-12 13:44	RMP
107-06-2	1,2-Dichloroethane	2.5	ND	D2,M1	0.0125	0.00500	13-Aug-12 13:44	RMP
75-35-4	1,1-Dichloroethene	2.5	ND	D2,M1	0.0125	0.00700	13-Aug-12 13:44	RMP
156-59-2	cis-1,2-Dichloroethene	2.5	ND	D2,M1	0.0125	0.0700	13-Aug-12 13:44	RMP
156-60-5	trans-1,2-Dichloroethene	2.5	ND	D2,M1	0.0125	0.100	13-Aug-12 13:44	RMP
78-87-5	1,2-Dichloropropane	2.5	ND	D2,M1	0.0125	0.00500	13-Aug-12 13:44	RMP
10061-01-5	cis-1,3-Dichloropropene	2.5	ND	D2,M1	0.0125	0.00500	13-Aug-12 13:44	RMP
10061-02-6	trans-1,3-Dichloropropene	2.5	ND	D2,M1	0.0125	0.00500	13-Aug-12 13:44	RMP
100-41-4	Ethylbenzene	2.5	0.0786	D2,M1	0.0125	0.700	13-Aug-12 13:44	RMP
1634-04-4	Methyl-tert-butyl ether	2.5	ND	D2,M1	0.0125	0.0200	13-Aug-12 13:44	RMP
75-09-2	Methylene chloride	2.5	ND	D2,M1	0.0125	0.00500	13-Aug-12 13:44	RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	2.5	ND	D2,M1	0.0250	0.200	13-Aug-12 13:44	RMP
78-83-1	Isobutanol	2.5	ND	D2,M1	0.625	1.10	13-Aug-12 13:44	RMP
100-42-5	Styrene	2.5	ND	D2,M1	0.0125	0.100	13-Aug-12 13:44	RMP
630-20-6	1,1,1,2-Tetrachloroethane	2.5	ND	D2,M1	0.0125	0.00500	13-Aug-12 13:44	RMP
79-34-5	1,1,2,2-Tetrachloroethane	2.5	ND	D2,M1	0.0125	0.000500	13-Aug-12 13:44	RMP
127-18-4	Tetrachloroethene	2.5	ND	D2,M1	0.0125	0.00500	13-Aug-12 13:44	RMP
108-88-3	Toluene	2.5	0.118	D2,M1	0.0125	1.00	13-Aug-12 13:44	RMP
120-82-1	1,2,4-Trichlorobenzene	2.5	ND	D2,M1	0.0125	0.0700	13-Aug-12 13:44	RMP
71-55-6	1,1,1-Trichloroethane	2.5	ND	D2,M1	0.0125	0.200	13-Aug-12 13:44	RMP

Protocol 8/15/2012 08:50:00

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

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

Sample Results

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

Client: DEQ LABORATORY

Client ID: 040-120808-01-A
Project: 20142564
Project ID: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011526
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 190050
Method: EPA 8260
GCMS VOAs Water
Collected: 08-Aug-12
Received: 09-Aug-12
Prepared: 13-Aug-12

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis
79-00-5	1,1,2-Trichloroethane	2.5	ND	D2,M1	0.0125	0.00500	13-Aug-12 13:44 RMP
79-01-6	Trichloroethene	2.5	ND	D2,M1	0.0125	0.00500	13-Aug-12 13:44 RMP
75-69-4	Trichlorofluoromethane	2.5	ND	D2,M1	0.0125	0.130	13-Aug-12 13:44 RMP
75-01-4	Vinyl chloride	2.5	ND	D2,M1	0.00500	0.00200	13-Aug-12 13:44 RMP
	m&p-Xylene	2.5	0.112	D2,M1	0.0125	10.0	13-Aug-12 13:44 RMP
95-47-6	o-Xylene	2.5	0.0494	D2,M1	0.0125	10.0	13-Aug-12 13:44 RMP

40 compound(s) reported

Protocol 8/15/2012 08:50:00

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Sample Results

Pace Analytical Services, Inc.
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St. Rose, LA 70087
(504) 469-0333

Client: DEQ LABORATORY

Client ID: 040-120808-03-A
Project: 20142564
Project ID: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011527
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 190050
Method: EPA 8260
GCMS VOAs Water
Collected: 08-Aug-12
Received: 09-Aug-12
Prepared: 13-Aug-12

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis	
67-64-1	Acetone	2.5	ND	D2	0.0250	0.100	13-Aug-12 12:39	RMP
71-43-2	Benzene	2.5	0.113	D2	0.0125	0.00500	13-Aug-12 12:39	RMP
75-27-4	Bromodichloromethane	2.5	ND	D2	0.0125	0.100	13-Aug-12 12:39	RMP
75-25-2	Bromoform	2.5	ND	D2	0.0125	0.100	13-Aug-12 12:39	RMP
74-83-9	Bromomethane	2.5	ND	D2	0.0125	0.0100	13-Aug-12 12:39	RMP
78-93-3	2-Butanone (MEK)	2.5	ND	D2	0.0250	0.190	13-Aug-12 12:39	RMP
75-15-0	Carbon disulfide	2.5	ND	D2	0.0125	0.100	13-Aug-12 12:39	RMP
56-23-5	Carbon tetrachloride	2.5	ND	D2	0.0125	0.00500	13-Aug-12 12:39	RMP
108-90-7	Chlorobenzene	2.5	ND	D2	0.0125	0.100	13-Aug-12 12:39	RMP
75-00-3	Chloroethane	2.5	ND	D2	0.0125	0.0100	13-Aug-12 12:39	RMP
67-66-3	Chloroform	2.5	ND	D2	0.0125	0.100	13-Aug-12 12:39	RMP
74-87-3	Chloromethane	2.5	ND	D2	0.0125	0.0100	13-Aug-12 12:39	RMP
124-48-1	Dibromochloromethane	2.5	ND	D2	0.0125	0.100	13-Aug-12 12:39	RMP
96-12-8	1,2-Dibromo-3-chloropropane	2.5	ND	D2	0.0125	0.000200	13-Aug-12 12:39	RMP
75-34-3	1,1-Dichloroethane	2.5	ND	D2	0.0125	0.0810	13-Aug-12 12:39	RMP
107-06-2	1,2-Dichloroethane	2.5	ND	D2	0.0125	0.00500	13-Aug-12 12:39	RMP
75-35-4	1,1-Dichloroethene	2.5	ND	D2	0.0125	0.00700	13-Aug-12 12:39	RMP
156-59-2	cis-1,2-Dichloroethene	2.5	ND	D2	0.0125	0.0700	13-Aug-12 12:39	RMP
156-60-5	trans-1,2-Dichloroethene	2.5	ND	D2	0.0125	0.100	13-Aug-12 12:39	RMP
78-87-5	1,2-Dichloropropane	2.5	ND	D2	0.0125	0.00500	13-Aug-12 12:39	RMP
10061-01-5	cis-1,3-Dichloropropene	2.5	ND	D2	0.0125	0.00500	13-Aug-12 12:39	RMP
10061-02-6	trans-1,3-Dichloropropene	2.5	ND	D2	0.0125	0.00500	13-Aug-12 12:39	RMP
100-41-4	Ethylbenzene	2.5	0.0716	D2	0.0125	0.700	13-Aug-12 12:39	RMP
1634-04-4	Methyl-tert-butyl ether	2.5	ND	D2	0.0125	0.0200	13-Aug-12 12:39	RMP
75-09-2	Methylene chloride	2.5	ND	D2	0.0125	0.00500	13-Aug-12 12:39	RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	2.5	ND	D2	0.0250	0.200	13-Aug-12 12:39	RMP
78-83-1	Isobutanol	2.5	ND	D2	0.625	1.10	13-Aug-12 12:39	RMP
100-42-5	Styrene	2.5	ND	D2	0.0125	0.100	13-Aug-12 12:39	RMP
630-20-6	1,1,1,2-Tetrachloroethane	2.5	ND	D2	0.0125	0.00500	13-Aug-12 12:39	RMP
79-34-5	1,1,2,2-Tetrachloroethane	2.5	ND	D2	0.0125	0.000500	13-Aug-12 12:39	RMP
127-18-4	Tetrachloroethene	2.5	ND	D2	0.0125	0.00500	13-Aug-12 12:39	RMP
108-88-3	Toluene	2.5	0.130	D2	0.0125	1.00	13-Aug-12 12:39	RMP
120-82-1	1,2,4-Trichlorobenzene	2.5	ND	D2	0.0125	0.0700	13-Aug-12 12:39	RMP
71-55-6	1,1,1-Trichloroethane	2.5	ND	D2	0.0125	0.200	13-Aug-12 12:39	RMP

Protocol 8/15/2012 08:50:00

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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Sample Results

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

Client: DEQ LABORATORY

Client ID: 040-120808-03-A
Project: 20142564
Project ID: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011527
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 190050
Method: EPA 8260
GCMS VOAs Water
Collected: 08-Aug-12
Received: 09-Aug-12
Prepared: 13-Aug-12

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis
79-00-5	1,1,2-Trichloroethane	2.5	ND	D2	0.0125	0.00500	13-Aug-12 12:39 RMP
79-01-6	Trichloroethene	2.5	ND	D2	0.0125	0.00500	13-Aug-12 12:39 RMP
75-69-4	Trichlorofluoromethane	2.5	ND	D2	0.0125	0.130	13-Aug-12 12:39 RMP
75-01-4	Vinyl chloride	2.5	ND	D2	0.00500	0.00200	13-Aug-12 12:39 RMP
	m&p-Xylene	2.5	0.107	D2	0.0125	10.0	13-Aug-12 12:39 RMP
95-47-6	o-Xylene	2.5	0.0487	D2	0.0125	10.0	13-Aug-12 12:39 RMP

40 compound(s) reported

Protocol 8/15/2012 08:50:00

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Sample Results

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

Client: DEQ LABORATORY

Client ID: 040-120808-05-A
Project: 20142564
Project ID: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011528
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 190050
Method: EPA 8260
GCMS VOAs Water
Collected: 08-Aug-12
Received: 09-Aug-12
Prepared: 13-Aug-12

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis
67-64-1	Acetone	1	ND		0.0100	0.100	13-Aug-12 12:59 RMP
71-43-2	Benzene	1	0.0584		0.00500	0.00500	13-Aug-12 12:59 RMP
75-27-4	Bromodichloromethane	1	ND		0.00500	0.100	13-Aug-12 12:59 RMP
75-25-2	Bromoform	1	ND		0.00500	0.100	13-Aug-12 12:59 RMP
74-83-9	Bromomethane	1	ND		0.00500	0.0100	13-Aug-12 12:59 RMP
78-93-3	2-Butanone (MEK)	1	ND		0.0100	0.190	13-Aug-12 12:59 RMP
75-15-0	Carbon disulfide	1	ND		0.00500	0.100	13-Aug-12 12:59 RMP
56-23-5	Carbon tetrachloride	1	ND		0.00500	0.00500	13-Aug-12 12:59 RMP
108-90-7	Chlorobenzene	1	ND		0.00500	0.100	13-Aug-12 12:59 RMP
75-00-3	Chloroethane	1	ND		0.00500	0.0100	13-Aug-12 12:59 RMP
67-66-3	Chloroform	1	ND		0.00500	0.100	13-Aug-12 12:59 RMP
74-87-3	Chloromethane	1	ND		0.00500	0.0100	13-Aug-12 12:59 RMP
124-48-1	Dibromochloromethane	1	ND		0.00500	0.100	13-Aug-12 12:59 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		0.00500	0.000200	13-Aug-12 12:59 RMP
75-34-3	1,1-Dichloroethane	1	ND		0.00500	0.0810	13-Aug-12 12:59 RMP
107-06-2	1,2-Dichloroethane	1	ND		0.00500	0.00500	13-Aug-12 12:59 RMP
75-35-4	1,1-Dichloroethene	1	ND		0.00500	0.00700	13-Aug-12 12:59 RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		0.00500	0.0700	13-Aug-12 12:59 RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		0.00500	0.100	13-Aug-12 12:59 RMP
78-87-5	1,2-Dichloropropane	1	ND		0.00500	0.00500	13-Aug-12 12:59 RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		0.00500	0.00500	13-Aug-12 12:59 RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		0.00500	0.00500	13-Aug-12 12:59 RMP
100-41-4	Ethylbenzene	1	0.0359		0.00500	0.700	13-Aug-12 12:59 RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		0.00500	0.0200	13-Aug-12 12:59 RMP
75-09-2	Methylene chloride	1	ND		0.00500	0.00500	13-Aug-12 12:59 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		0.0100	0.200	13-Aug-12 12:59 RMP
78-83-1	Isobutanol	1	ND		0.250	1.10	13-Aug-12 12:59 RMP
100-42-5	Styrene	1	ND		0.00500	0.100	13-Aug-12 12:59 RMP
630-20-6	1,1,1,2-Tetrachloroethane	1	ND		0.00500	0.00500	13-Aug-12 12:59 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		0.00500	0.000500	13-Aug-12 12:59 RMP
127-18-4	Tetrachloroethene	1	ND		0.00500	0.00500	13-Aug-12 12:59 RMP
108-88-3	Toluene	1	0.0719		0.00500	1.00	13-Aug-12 12:59 RMP
120-82-1	1,2,4-Trichlorobenzene	1	ND		0.00500	0.0700	13-Aug-12 12:59 RMP
71-55-6	1,1,1-Trichloroethane	1	ND		0.00500	0.200	13-Aug-12 12:59 RMP

Protocol 8/15/2012 08:50:00

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Sample Results

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

Client: DEQ LABORATORY

Client ID: 040-120808-05-A
Project: 20142564
Project ID: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011528
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 190050
Method: EPA 8260
GCMS VOAs Water
Collected: 08-Aug-12
Received: 09-Aug-12
Prepared: 13-Aug-12

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis
79-00-5	1,1,2-Trichloroethane	1	ND		0.00500	0.00500	13-Aug-12 12:59 RMP
79-01-6	Trichloroethene	1	ND		0.00500	0.00500	13-Aug-12 12:59 RMP
75-69-4	Trichlorofluoromethane	1	ND		0.00500	0.130	13-Aug-12 12:59 RMP
75-01-4	Vinyl chloride	1	ND		0.00200	0.00200	13-Aug-12 12:59 RMP
	m&p-Xylene	1	0.0493		0.00500	10.0	13-Aug-12 12:59 RMP
95-47-6	o-Xylene	1	0.0254		0.00500	10.0	13-Aug-12 12:59 RMP

40 compound(s) reported

Protocol 8/15/2012 08:50:00

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

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

Sample Results

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

Client: DEQ LABORATORY

Client ID: 040-120808-02-A
Project: 20142564
Project ID: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011533
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 190060
Method: EPA 8270
GCMS SVOAs Dual pH
Collected: 08-Aug-12
Received: 09-Aug-12
Prepared: 09-Aug-12

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis	
62-53-3	Aniline	4	ND	D2,P11	80.0	12.0	13-Aug-12 22:11	JAM
92-52-4	Biphenyl (Diphenyl)	4	ND	D2,P11	80.0	30.0	13-Aug-12 22:11	JAM
85-68-7	Butylbenzylphthalate	4	ND	D2,P11	80.0	730.	13-Aug-12 22:11	JAM
88-85-7	Dinoseb	4	ND	D2,P11	80.0	7.00	13-Aug-12 22:11	JAM
106-47-8	3&4-Chloroaniline	4	ND	D2,P11	80.0	20.0	13-Aug-12 22:11	JAM
111-44-4	bis(2-Chloroethyl) ether	4	ND	D2,P11	80.0	5.70	13-Aug-12 22:11	JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	4	ND	D2,P11	80.0	5.70	13-Aug-12 22:11	JAM
91-58-7	2-Chloronaphthalene	4	ND	D2,P11	80.0	49.0	13-Aug-12 22:11	JAM
95-57-8	2-Chlorophenol	4	ND	D2,P11	80.0	10.0	13-Aug-12 22:11	JAM
132-64-9	Dibenzofuran	4	ND	D2,P11	80.0	10.0	13-Aug-12 22:11	JAM
95-50-1	1,2-Dichlorobenzene	4	ND	D2,P11	80.0	600.	13-Aug-12 22:11	JAM
541-73-1	1,3-Dichlorobenzene	4	ND	D2,P11	80.0	10.0	13-Aug-12 22:11	JAM
106-46-7	1,4-Dichlorobenzene	4	ND	D2,P11	80.0	75.0	13-Aug-12 22:11	JAM
91-94-1	3,3'-Dichlorobenzidine	4	ND	D2,P11	160.	20.0	13-Aug-12 22:11	JAM
120-83-2	2,4-Dichlorophenol	4	ND	D2,P11	80.0	11.0	13-Aug-12 22:11	JAM
84-66-2	Diethylphthalate	4	ND	D2,P11	80.0	2900	13-Aug-12 22:11	JAM
105-67-9	2,4-Dimethylphenol	4	ND	D2,P11	80.0	73.0	13-Aug-12 22:11	JAM
131-11-3	Dimethylphthalate	4	ND	D2,P11	80.0	37000	13-Aug-12 22:11	JAM
99-65-0	1,3-Dinitrobenzene	4	ND	D2,P11	80.0	10.0	13-Aug-12 22:11	JAM
51-28-5	2,4-Dinitrophenol	4	ND	D2,P11	80.0	50.0	13-Aug-12 22:11	JAM
121-14-2	2,4-Dinitrotoluene	4	ND	D2,P11	80.0	10.0	13-Aug-12 22:11	JAM
606-20-2	2,6-Dinitrotoluene	4	ND	D2,P11	80.0	10.0	13-Aug-12 22:11	JAM
117-84-0	Di-n-octylphthalate	4	ND	D2,P11	80.0	20.0	13-Aug-12 22:11	JAM
117-81-7	bis(2-Ethylhexyl)phthalate	4	ND	D2,P11	80.0	6.00	13-Aug-12 22:11	JAM
118-74-1	Hexachlorobenzene	4	ND	D2,P11	80.0	1.00	13-Aug-12 22:11	JAM
87-68-3	Hexachloro-1,3-butadiene	4	ND	D2,P11	80.0	0.730	13-Aug-12 22:11	JAM
77-47-4	Hexachlorocyclopentadiene	4	ND	D2,P11	80.0	50.0	13-Aug-12 22:11	JAM
67-72-1	Hexachloroethane	4	ND	D2,P11	80.0	10.0	13-Aug-12 22:11	JAM
78-59-1	Isophorone	4	ND	D2,P11	80.0	70.0	13-Aug-12 22:11	JAM
88-74-4	2-Nitroaniline	4	ND	D2,P11	80.0	50.0	13-Aug-12 22:11	JAM
99-09-2	3-Nitroaniline	4	ND	D2,P11	80.0	50.0	13-Aug-12 22:11	JAM
100-01-6	4-Nitroaniline	4	ND	D2,P11	80.0	50.0	13-Aug-12 22:11	JAM
98-95-3	Nitrobenzene	4	ND	D2,P11	80.0	1.90	13-Aug-12 22:11	JAM
100-02-7	4-Nitrophenol	4	ND	D2,P11	80.0	50.0	13-Aug-12 22:11	JAM

Protocol 8/15/2012 08:50:00

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

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

Sample Results

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

Client: DEQ LABORATORY

Client ID: 040-120808-02-A
Project: 20142564
Project ID: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011533
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 190060
Method: EPA 8270
GCMS SVOAs Dual pH
Collected: 08-Aug-12
Received: 09-Aug-12
Prepared: 09-Aug-12

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis
621-64-7	N-Nitroso-di-n-propylamine	4	ND	D2,P11	80.0	10.0	13-Aug-12 22:11 JAM
86-30-6	N-Nitrosodiphenylamine	4	ND	D2,P11	80.0	14.0	13-Aug-12 22:11 JAM
87-86-5	Pentachlorophenol	4	ND	D2,P11	80.0	1.00	13-Aug-12 22:11 JAM
108-95-2	Phenol	4	ND	D2,P11	80.0	180.	13-Aug-12 22:11 JAM
95-94-3	1,2,4,5-Tetrachlorobenzene	4	ND	D2,P11	80.0	1.10	13-Aug-12 22:11 JAM
58-90-2	2,3,4,6-Tetrachlorophenol	4	ND	D2,P11	80.0	110.	13-Aug-12 22:11 JAM
95-95-4	2,4,5-Trichlorophenol	4	ND	D2,P11	80.0	370.	13-Aug-12 22:11 JAM
88-06-2	2,4,6-Trichlorophenol	4	ND	D2,P11	80.0	10.0	13-Aug-12 22:11 JAM

42 compound(s) reported

Protocol 8/15/2012 08:50:00

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

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Sample Results

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

Client: DEQ LABORATORY

Client ID: 040-120808-02-A
Project: 20142564
Project ID: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011533
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 190142
Method: EPA 8270
GCMS SVOAs SIM Water
Collected: 08-Aug-12
Received: 09-Aug-12
Prepared: 09-Aug-12

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis
83-32-9	Acenaphthene	10	0.0170	D2,P11	0.00200	0.0370	13-Aug-12 15:49 JAM
208-96-8	Acenaphthylene	10	ND	D2,P11	0.00200	0.100	13-Aug-12 15:49 JAM
120-12-7	Anthracene	10	0.0156	D2,P11	0.00200	0.0430	13-Aug-12 15:49 JAM
56-55-3	Benzo(a)anthracene	10	ND	D2,P11	0.00200	0.00780	13-Aug-12 15:49 JAM
205-99-2	Benzo(b)fluoranthene	10	ND	D2,P11	0.00200	0.00480	13-Aug-12 15:49 JAM
207-08-9	Benzo(k)fluoranthene	10	ND	D2,P11	0.00200	0.00250	13-Aug-12 15:49 JAM
50-32-8	Benzo(a)pyrene	10	ND	D2,P11	0.00200	0.000200	13-Aug-12 15:49 JAM
218-01-9	Chrysene	10	0.00460	D2,P11	0.00200	0.00160	13-Aug-12 15:49 JAM
53-70-3	Dibenz(a,h)anthracene	10	ND	D2,P11	0.00200	0.00250	13-Aug-12 15:49 JAM
206-44-0	Fluoranthene	10	0.00560	D2,P11	0.00200	0.150	13-Aug-12 15:49 JAM
86-73-7	Fluorene	10	0.0262	D2,P11	0.00200	0.0240	13-Aug-12 15:49 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	10	ND	D2,P11	0.00200	0.00370	13-Aug-12 15:49 JAM
91-57-6	2-Methylnaphthalene	10	0.128	D2,P11	0.00200	0.000620	13-Aug-12 15:49 JAM
91-20-3	Naphthalene	10	0.0930	D2,P11	0.00200	0.0100	13-Aug-12 15:49 JAM
85-01-8	Phenanthrene	10	0.0474	D2,P11	0.00200	0.180	13-Aug-12 15:49 JAM
129-00-0	Pyrene	10	0.00480	D2,P11	0.00200	0.0180	13-Aug-12 15:49 JAM

16 compound(s) reported

Protocol 8/15/2012 08:50:00

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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Sample Results

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

Client: DEQ LABORATORY

Client ID: 040-120808-04-A
Project: 20142564
Project ID: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011535
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 190060
Method: EPA 8270
GCMS SVOAs Dual pH
Collected: 08-Aug-12
Received: 09-Aug-12
Prepared: 09-Aug-12

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis
62-53-3	Aniline	1	ND	P11	20.0	12.0	13-Aug-12 22:36 JAM
92-52-4	Biphenyl (Diphenyl)	1	ND	P11	20.0	30.0	13-Aug-12 22:36 JAM
85-68-7	Butylbenzylphthalate	1	ND	P11	20.0	730.	13-Aug-12 22:36 JAM
88-85-7	Dinoseb	1	ND	P11	20.0	7.00	13-Aug-12 22:36 JAM
106-47-8	3&4-Chloroaniline	1	ND	P11	20.0	20.0	13-Aug-12 22:36 JAM
111-44-4	bis(2-Chloroethyl) ether	1	ND	P11	20.0	5.70	13-Aug-12 22:36 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1	ND	P11	20.0	5.70	13-Aug-12 22:36 JAM
91-58-7	2-Chloronaphthalene	1	ND	P11	20.0	49.0	13-Aug-12 22:36 JAM
95-57-8	2-Chlorophenol	1	ND	P11	20.0	10.0	13-Aug-12 22:36 JAM
132-64-9	Dibenzofuran	1	ND	P11	20.0	10.0	13-Aug-12 22:36 JAM
95-50-1	1,2-Dichlorobenzene	1	ND	P11	20.0	600.	13-Aug-12 22:36 JAM
541-73-1	1,3-Dichlorobenzene	1	ND	P11	20.0	10.0	13-Aug-12 22:36 JAM
106-46-7	1,4-Dichlorobenzene	1	ND	P11	20.0	75.0	13-Aug-12 22:36 JAM
91-94-1	3,3'-Dichlorobenzidine	1	ND	P11	40.0	20.0	13-Aug-12 22:36 JAM
120-83-2	2,4-Dichlorophenol	1	ND	P11	20.0	11.0	13-Aug-12 22:36 JAM
84-66-2	Diethylphthalate	1	ND	P11	20.0	2900	13-Aug-12 22:36 JAM
105-67-9	2,4-Dimethylphenol	1	ND	P11	20.0	73.0	13-Aug-12 22:36 JAM
131-11-3	Dimethylphthalate	1	ND	P11	20.0	37000	13-Aug-12 22:36 JAM
99-65-0	1,3-Dinitrobenzene	1	ND	P11	20.0	10.0	13-Aug-12 22:36 JAM
51-28-5	2,4-Dinitrophenol	1	ND	P11	20.0	50.0	13-Aug-12 22:36 JAM
121-14-2	2,4-Dinitrotoluene	1	ND	P11	20.0	10.0	13-Aug-12 22:36 JAM
606-20-2	2,6-Dinitrotoluene	1	ND	P11	20.0	10.0	13-Aug-12 22:36 JAM
117-84-0	Di-n-octylphthalate	1	ND	P11	20.0	20.0	13-Aug-12 22:36 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	ND	P11	20.0	6.00	13-Aug-12 22:36 JAM
118-74-1	Hexachlorobenzene	1	ND	P11	20.0	1.00	13-Aug-12 22:36 JAM
87-68-3	Hexachloro-1,3-butadiene	1	ND	P11	20.0	0.730	13-Aug-12 22:36 JAM
77-47-4	Hexachlorocyclopentadiene	1	ND	P11	20.0	50.0	13-Aug-12 22:36 JAM
67-72-1	Hexachloroethane	1	ND	P11	20.0	10.0	13-Aug-12 22:36 JAM
78-59-1	Isophorone	1	ND	P11	20.0	70.0	13-Aug-12 22:36 JAM
88-74-4	2-Nitroaniline	1	ND	P11	20.0	50.0	13-Aug-12 22:36 JAM
99-09-2	3-Nitroaniline	1	ND	P11	20.0	50.0	13-Aug-12 22:36 JAM
100-01-6	4-Nitroaniline	1	ND	P11	20.0	50.0	13-Aug-12 22:36 JAM
98-95-3	Nitrobenzene	1	ND	P11	20.0	1.90	13-Aug-12 22:36 JAM
100-02-7	4-Nitrophenol	1	ND	P11	20.0	50.0	13-Aug-12 22:36 JAM

Protocol 8/15/2012 08:50:00

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

Sample Results

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

Client: DEQ LABORATORY

Client ID: 040-120808-04-A
Project: 20142564
Project ID: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011535
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 190060
Method: EPA 8270
GCMS SVOAs Dual pH
Collected: 08-Aug-12
Received: 09-Aug-12
Prepared: 09-Aug-12

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis
621-64-7	N-Nitroso-di-n-propylamine	1	ND	P11	20.0	10.0	13-Aug-12 22:36 JAM
86-30-6	N-Nitrosodiphenylamine	1	ND	P11	20.0	14.0	13-Aug-12 22:36 JAM
87-86-5	Pentachlorophenol	1	ND	P11	20.0	1.00	13-Aug-12 22:36 JAM
108-95-2	Phenol	1	ND	P11	20.0	180.	13-Aug-12 22:36 JAM
95-94-3	1,2,4,5-Tetrachlorobenzene	1	ND	P11	20.0	1.10	13-Aug-12 22:36 JAM
58-90-2	2,3,4,6-Tetrachlorophenol	1	ND	P11	20.0	110.	13-Aug-12 22:36 JAM
95-95-4	2,4,5-Trichlorophenol	1	ND	P11	20.0	370.	13-Aug-12 22:36 JAM
88-06-2	2,4,6-Trichlorophenol	1	ND	P11	20.0	10.0	13-Aug-12 22:36 JAM

42 compound(s) reported

Protocol 8/15/2012 08:50:00

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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Sample Results

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

Client: DEQ LABORATORY

Client ID: 040-120808-04-A
Project: 20142564
Project ID: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011535
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 190142
Method: EPA 8270
GCMS SVOAs SIM Water
Collected: 08-Aug-12
Received: 09-Aug-12
Prepared: 09-Aug-12

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis
83-32-9	Acenaphthene	5	0.00600	D2,P11	0.00100	0.0370	13-Aug-12 17:15 JAM
208-96-8	Acenaphthylene	5	ND	D2,P11	0.00100	0.100	13-Aug-12 17:15 JAM
120-12-7	Anthracene	5	0.00410	D2,P11	0.00100	0.0430	13-Aug-12 17:15 JAM
56-55-3	Benzo(a)anthracene	5	0.00120	D2,P11	0.00100	0.00780	13-Aug-12 17:15 JAM
205-99-2	Benzo(b)fluoranthene	5	ND	D2,P11	0.00100	0.00480	13-Aug-12 17:15 JAM
207-08-9	Benzo(k)fluoranthene	5	ND	D2,P11	0.00100	0.00250	13-Aug-12 17:15 JAM
50-32-8	Benzo(a)pyrene	5	ND	D2,P11	0.00100	0.000200	13-Aug-12 17:15 JAM
218-01-9	Chrysene	5	ND	D2,P11	0.00100	0.00160	13-Aug-12 17:15 JAM
53-70-3	Dibenz(a,h)anthracene	5	ND	D2,P11	0.00100	0.00250	13-Aug-12 17:15 JAM
206-44-0	Fluoranthene	5	0.00180	D2,P11	0.00100	0.150	13-Aug-12 17:15 JAM
86-73-7	Fluorene	5	0.00840	D2,P11	0.00100	0.0240	13-Aug-12 17:15 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	5	ND	D2,P11	0.00100	0.00370	13-Aug-12 17:15 JAM
91-57-6	2-Methylnaphthalene	5	0.0515	D2,P11	0.00100	0.000620	13-Aug-12 17:15 JAM
91-20-3	Naphthalene	5	0.0404	D2,P11	0.00100	0.0100	13-Aug-12 17:15 JAM
85-01-8	Phenanthrene	5	0.0155	D2,P11	0.00100	0.180	13-Aug-12 17:15 JAM
129-00-0	Pyrene	5	0.00120	D2,P11	0.00100	0.0180	13-Aug-12 17:15 JAM

16 compound(s) reported

Protocol 8/15/2012 08:50:00

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

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

Client: DEQ LABORATORY

Client ID: 040-120808-06-A
Project: 20142564
Project ID: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011537
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 190060
Method: EPA 8270
GCMS SVOAs Dual pH
Collected: 08-Aug-12
Received: 09-Aug-12
Prepared: 09-Aug-12

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis
62-53-3	Aniline	1	ND	P11	11.4	12.0	13-Aug-12 23:01 JAM
92-52-4	Biphenyl (Diphenyl)	1	ND	P11	11.4	30.0	13-Aug-12 23:01 JAM
85-68-7	Butylbenzylphthalate	1	ND	P11	11.4	730.	13-Aug-12 23:01 JAM
88-85-7	Dinoseb	1	ND	P11	11.4	7.00	13-Aug-12 23:01 JAM
106-47-8	3&4-Chloroaniline	1	ND	P11	11.4	20.0	13-Aug-12 23:01 JAM
111-44-4	bis(2-Chloroethyl) ether	1	ND	P11	11.4	5.70	13-Aug-12 23:01 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1	ND	P11	11.4	5.70	13-Aug-12 23:01 JAM
91-58-7	2-Chloronaphthalene	1	ND	P11	11.4	49.0	13-Aug-12 23:01 JAM
95-57-8	2-Chlorophenol	1	ND	P11	11.4	10.0	13-Aug-12 23:01 JAM
132-64-9	Dibenzofuran	1	ND	P11	11.4	10.0	13-Aug-12 23:01 JAM
95-50-1	1,2-Dichlorobenzene	1	ND	P11	11.4	600.	13-Aug-12 23:01 JAM
541-73-1	1,3-Dichlorobenzene	1	ND	P11	11.4	10.0	13-Aug-12 23:01 JAM
106-46-7	1,4-Dichlorobenzene	1	ND	P11	11.4	75.0	13-Aug-12 23:01 JAM
91-94-1	3,3'-Dichlorobenzidine	1	ND	P11	22.7	20.0	13-Aug-12 23:01 JAM
120-83-2	2,4-Dichlorophenol	1	ND	P11	11.4	11.0	13-Aug-12 23:01 JAM
84-66-2	Diethylphthalate	1	ND	P11	11.4	2900	13-Aug-12 23:01 JAM
105-67-9	2,4-Dimethylphenol	1	ND	P11	11.4	73.0	13-Aug-12 23:01 JAM
131-11-3	Dimethylphthalate	1	ND	P11	11.4	37000	13-Aug-12 23:01 JAM
99-65-0	1,3-Dinitrobenzene	1	ND	P11	11.4	10.0	13-Aug-12 23:01 JAM
51-28-5	2,4-Dinitrophenol	1	ND	P11	11.4	50.0	13-Aug-12 23:01 JAM
121-14-2	2,4-Dinitrotoluene	1	ND	P11	11.4	10.0	13-Aug-12 23:01 JAM
606-20-2	2,6-Dinitrotoluene	1	ND	P11	11.4	10.0	13-Aug-12 23:01 JAM
117-84-0	Di-n-octylphthalate	1	ND	P11	11.4	20.0	13-Aug-12 23:01 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	ND	P11	11.4	6.00	13-Aug-12 23:01 JAM
118-74-1	Hexachlorobenzene	1	ND	P11	11.4	1.00	13-Aug-12 23:01 JAM
87-68-3	Hexachloro-1,3-butadiene	1	ND	P11	11.4	0.730	13-Aug-12 23:01 JAM
77-47-4	Hexachlorocyclopentadiene	1	ND	P11	11.4	50.0	13-Aug-12 23:01 JAM
67-72-1	Hexachloroethane	1	ND	P11	11.4	10.0	13-Aug-12 23:01 JAM
78-59-1	Isophorone	1	ND	P11	11.4	70.0	13-Aug-12 23:01 JAM
88-74-4	2-Nitroaniline	1	ND	P11	11.4	50.0	13-Aug-12 23:01 JAM
99-09-2	3-Nitroaniline	1	ND	P11	11.4	50.0	13-Aug-12 23:01 JAM
100-01-6	4-Nitroaniline	1	ND	P11	11.4	50.0	13-Aug-12 23:01 JAM
98-95-3	Nitrobenzene	1	ND	P11	11.4	1.90	13-Aug-12 23:01 JAM
100-02-7	4-Nitrophenol	1	ND	P11	11.4	50.0	13-Aug-12 23:01 JAM

Protocol 8/15/2012 08:50:00

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

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

Sample Results

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

Client: DEQ LABORATORY

Client ID: 040-120808-06-A
Project: 20142564
Project ID: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011537
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 190060
Method: EPA 8270
GCMS SVOAs Dual pH
Collected: 08-Aug-12
Received: 09-Aug-12
Prepared: 09-Aug-12

Units: ug/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis
621-64-7	N-Nitroso-di-n-propylamine	1	ND	P11	11.4	10.0	13-Aug-12 23:01 JAM
86-30-6	N-Nitrosodiphenylamine	1	ND	P11	11.4	14.0	13-Aug-12 23:01 JAM
87-86-5	Pentachlorophenol	1	ND	P11	11.4	1.00	13-Aug-12 23:01 JAM
108-95-2	Phenol	1	ND	P11	11.4	180.	13-Aug-12 23:01 JAM
95-94-3	1,2,4,5-Tetrachlorobenzene	1	ND	P11	11.4	1.10	13-Aug-12 23:01 JAM
58-90-2	2,3,4,6-Tetrachlorophenol	1	ND	P11	11.4	110.	13-Aug-12 23:01 JAM
95-95-4	2,4,5-Trichlorophenol	1	ND	P11	11.4	370.	13-Aug-12 23:01 JAM
88-06-2	2,4,6-Trichlorophenol	1	ND	P11	11.4	10.0	13-Aug-12 23:01 JAM

42 compound(s) reported

Protocol 8/15/2012 08:50:00

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Sample Results

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

Client: DEQ LABORATORY

Client ID: 040-120808-06-A
Project: 20142564
Project ID: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011537
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 190142
Method: EPA 8270
GCMS SVOAs SIM Water
Collected: 08-Aug-12
Received: 09-Aug-12
Prepared: 09-Aug-12

Units: mg/L

CAS No.	Analyte	Dilution	Result	Qu	Reporting Limit	Reg Limit	Analysis
83-32-9	Acenaphthene	1	0.00151	P11	0.000114	0.0370	13-Aug-12 17:37 JAM
208-96-8	Acenaphthylene	1	ND	P11	0.000114	0.100	13-Aug-12 17:37 JAM
120-12-7	Anthracene	1	0.000977	P11	0.000114	0.0430	13-Aug-12 17:37 JAM
56-55-3	Benzo(a)anthracene	1	0.000216	P11	0.000114	0.00780	13-Aug-12 17:37 JAM
205-99-2	Benzo(b)fluoranthene	1	0.000114	P11	0.000114	0.00480	13-Aug-12 17:37 JAM
207-08-9	Benzo(k)fluoranthene	1	ND	P11	0.000114	0.00250	13-Aug-12 17:37 JAM
50-32-8	Benzo(a)pyrene	1	ND	P11	0.000114	0.000200	13-Aug-12 17:37 JAM
218-01-9	Chrysene	1	ND	P11	0.000114	0.00160	13-Aug-12 17:37 JAM
53-70-3	Dibenz(a,h)anthracene	1	ND	P11	0.000114	0.00250	13-Aug-12 17:37 JAM
206-44-0	Fluoranthene	1	0.000352	P11	0.000114	0.150	13-Aug-12 17:37 JAM
86-73-7	Fluorene	1	0.00267	P11	0.000114	0.0240	13-Aug-12 17:37 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND	P11	0.000114	0.00370	13-Aug-12 17:37 JAM
91-57-6	2-Methylnaphthalene	1	0.0183	P11	0.000114	0.000620	13-Aug-12 17:37 JAM
91-20-3	Naphthalene	1	0.0196	P11	0.000114	0.0100	13-Aug-12 17:37 JAM
85-01-8	Phenanthrene	1	0.00372	P11	0.000114	0.180	13-Aug-12 17:37 JAM
129-00-0	Pyrene	1	0.000273	P11	0.000114	0.0180	13-Aug-12 17:37 JAM

16 compound(s) reported

Protocol 8/15/2012 08:50:00

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

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

Client: DEQ LABORATORY

Client ID: 040-120808-02-A
Project: 20142564
Project ID: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011533
Matrix: Other
%Moisture: n/a
Description: None

Collected: 08-Aug-12
Received: 09-Aug-12

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Chloride	SM 4500-Cl E	190069	1000	134000	D1	mg/L	1000	09-Aug-12	09-Aug-12 15:41 TAE	

1 parameter(s) reported

Inorganics 8/15/2012 08:50:01

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification limit.

Sample Results

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

Client: DEQ LABORATORY

Client ID: 040-120808-02-A DUP 1
Project: 20142564
Project ID: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011533 DUP 1
Matrix: Other
%Moisture: n/a
Description: None

Collected: 08-Aug-12
Received: 09-Aug-12

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Chloride	SM 4500-Cl E	190069	1000	134000	D1	mg/L	1000	09-Aug-12	09-Aug-12 15:42 TAE	

1 parameter(s) reported

Inorganics 8/15/2012 08:50:01

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

Sample Results

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

Client: DEQ LABORATORY

Client ID: 040-120808-02-A MS 1
Project: 20142564
Project ID: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011533 MS 1
Matrix: Other
%Moisture: n/a
Description: None

Collected: 08-Aug-12
Received: 09-Aug-12

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Chloride	SM 4500-Cl E	190069	1000	134000	D1,Q3	mg/L	1000	09-Aug-12	09-Aug-12 15:42 TAE	

1 parameter(s) reported

Inorganics 8/15/2012 08:50:02

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

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

Sample Results

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

Client: DEQ LABORATORY

Client ID: 040-120808-04-A
Project: 20142564
Project ID: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011535
Matrix: Other
%Moisture: n/a
Description: None

Collected: 08-Aug-12
Received: 09-Aug-12

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Chloride	SM 4500-Cl E	190069	1000	40600	D1	mg/L	1000	09-Aug-12	09-Aug-12 15:42 TAE	

1 parameter(s) reported

Inorganics 8/15/2012 08:50:02

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

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

Sample Results

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

Client: DEQ LABORATORY

Client ID: 040-120808-06-A
Project: 20142564
Project ID: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011537
Matrix: Other
%Moisture: n/a
Description: None

Collected: 08-Aug-12
Received: 09-Aug-12

Analyte	Method	Batch	DF	Result	Qu	Units	Reporting Limit	Prep.	Analysis	Limit
Chloride	SM 4500-Cl E	190069	100	7710	D1	mg/L	100.	09-Aug-12	09-Aug-12 14:57 TAE	

1 parameter(s) reported

Inorganics 8/15/2012 08:50:02

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

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

Surrogate Recovery

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

Batch: 190060 **Project:** 20142564

Method: Water GC/MS Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
201011533	040-120808-02-A		57	33 D	38	70	61	32		
201011535	040-120808-04-A		133	51	59	105	79	43		
201011537	040-120808-06-A		106	54	54	94	77	44		
201011605	190060 BLANK 1		90	76	64	96	81	88		
201011606	190060 LCS 1		64	72	54	82	59	81		
QC limits:			25-145	34-117	10-118	33-120	15-134	24-133		

Sur 1: 2,4,6-Tribromophenol (S)
Sur 2: 2-Fluorobiphenyl (S)
Sur 3: 2-Fluorophenol (S)
Sur 4: Nitrobenzene-d5 (S)
Sur 5: Phenol-d5 (S)
Sur 6: Terphenyl-d14 (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Surrogate Recovery

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

Batch: 190142 **Project:** 20142564

Method: Water GC/MS Semivolatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
201011533	040-120808-02-A		32	33						
201011535	040-120808-04-A		41	34						
201011537	040-120808-06-A		44	38						
201012000	190142 BLANK 1		55	59						
201012001	190142 LCS 1		53	62						
	QC limits:		12-110	25-113						

Sur 1: 2-Fluorobiphenyl (S)
Sur 2: Terphenyl-d14 (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Surrogate Recovery

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

Batch: 190050 **Project:** 20142564

Method: Water GC/MS Volatile Organics

Lab ID	Sample ID	Qu	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
201011526	040-120808-01-A		138 *	170 *	155 *					
201011527	040-120808-03-A		86	108	104					
201011528	040-120808-05-A		89	98	91					
201012166	190050 BLANK 2		93	109	84					
201012167	190050 LCS 2		98	109	90					
	QC limits:		68-124	72-126	79-119					

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

*** denotes surrogate recovery outside of QC limits.**
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

Quality Control

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

Batch: 190060 **Project:** 20142564 **LCS:** 20101160 13-Aug-12 16:42

Method: Water GC/MS Semivolatile Organics **MS:**

Units: ug/L **MSD:**

Original for MS:

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Aniline	50.0	40.4	81								10-142			Q5
Butylbenzylphthalate	50.0	28.0	56								48-117			Q5
3&4-Chloroaniline	50.0	40.6	81								21-122			Q5
bis(2-Chloroethyl) ether	50.0	28.3	57								48-110			Q5
2-Chloronaphthalene	50.0	28.8	58								53-110			Q5
2-Chlorophenol	50.0	29.9	60								44-110			Q5
Dibenzofuran	50.0	29.0	58								53-110			Q5
1,2-Dichlorobenzene	50.0	28.3	57								46-110			Q5
1,3-Dichlorobenzene	50.0	28.5	57								43-110			Q5
1,4-Dichlorobenzene	50.0	28.6	57								44-110			Q5
3,3'-Dichlorobenzidine	50.0	45.7	91								21-132			Q5
2,4-Dichlorophenol	50.0	35.9	72								40-110			Q5
Diethylphthalate	50.0	28.0	56								50-116			Q5
2,4-Dimethylphenol	50.0	26.0	52								23-110			Q5
Dimethylphthalate	50.0	27.6	55								52-112			Q5
2,4-Dinitrophenol	50.0	22.6	45								10-130			Q5
2,4-Dinitrotoluene	50.0	29.4	59								49-113			Q5
2,6-Dinitrotoluene	50.0	29.8	60								52-112			Q5
Di-n-octylphthalate	50.0	27.7	55								41-126			Q5
bis(2-Ethylhexyl)phthalate	50.0	28.2	57								46-123			Q5
Hexachloro-1,3-butadiene	50.0	34.7	69								33-110			Q5
Hexachlorobenzene	50.0	29.2	58								51-110			Q5
Hexachlorocyclopentadiene	50.0	14.5	29								10-110			Q5
Hexachloroethane	50.0	29.6	59								40-110			Q5
Isophorone	50.0	31.1	62								42-110			Q5
2-Nitroaniline	50.0	34.2	68								51-114			Q5
3-Nitroaniline	50.0	35.4	71								40-118			Q5
4-Nitroaniline	50.0	36.3	73								40-125			Q5
Nitrobenzene	50.0	33.5	67								42-110			Q5
4-Nitrophenol	50.0	26.7	53								28-126			Q5
N-Nitroso-di-n-propylamine	50.0	29.1	58								47-116			Q5
N-Nitrosodiphenylamine	50.0	35.0	70								39-125			Q5
2,2'-Oxybis(1-chloropropane)	50.0	27.0	54								39-118			Q5
Pentachlorophenol	50.0	21.9	44								31-122			Q5
Phenol	50.0	32.8	66								42-110			Q5
2,4,5-Trichlorophenol	50.0	31.6	63								46-110			Q5
2,4,6-Trichlorophenol	50.0	30.7	61								47-110			Q5

37 compound(s) reported

QC Protocol 8/15/2012 08:50:04

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Quality Control

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

Batch: 190142 **Project:** 20142564 **LCS:** 20101200 13-Aug-12 16:54

Method: Water GC/MS Semivolatile Organics **MS:**

Units: ug/L **MSD:**

Original for MS:

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acenaphthene	50.0	26.1	52								39-110			Q5
Acenaphthylene	50.0	28.9	58								30-110			Q5
Anthracene	50.0	28.0	56								34-110			Q5
Benzo(a)anthracene	50.0	28.5	57								32-110			Q5
Benzo(b)fluoranthene	50.0	25.1	50								30-110			Q5
Benzo(k)fluoranthene	50.0	28.4	57								28-110			Q5
Benzo(a)pyrene	50.0	27.2	54								29-110			Q5
Chrysene	50.0	28.8	58								34-110			Q5
Dibenz(a,h)anthracene	50.0	24.3	49								21-110			Q5
Fluoranthene	50.0	29.5	59								39-114			Q5
Fluorene	50.0	26.5	53								37-110			Q5
Indeno(1,2,3-cd)pyrene	50.0	26.2	52								27-110			Q5
2-Methylnaphthalene	50.0	23.9	48								35-110			Q5
Naphthalene	50.0	28.1	56								40-110			Q5
Phenanthrene	50.0	27.3	55								36-110			Q5
Pyrene	50.0	28.4	57								32-110			Q5

16 compound(s) reported

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Quality Control

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

Batch: 190050 **Project:** 20142564 **LCS:** 20101216 13-Aug-12 9:53

Method: Water GC/MS Volatile Organics **MS:**

Units: ug/L **MSD:**

Original for MS:

Parameter Name	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acetone	50.0	44.7	89								10-195			
Benzene	50.0	50.4	101								66-132			
Bromodichloromethane	50.0	46.0	92								67-132			
Bromoform	50.0	62.4	125								53-152			
Bromomethane	50.0	51.7	103								47-150			
2-Butanone (MEK)	50.0	52.6	105								16-167			
Carbon disulfide	50.0	67.5	135								18-173			
Carbon tetrachloride	50.0	45.3	91								55-143			
Chlorobenzene	50.0	55.7	111								71-131			
Chloroethane	50.0	49.0	98								31-192			
Chloroform	50.0	55.2	110								69-134			
Chloromethane	50.0	60.2	120								29-157			
1,2-Dibromo-3-chloropropane	50.0	47.6	95								37-151			
Dibromochloromethane	50.0	56.8	114								61-138			
1,1-Dichloroethane	50.0	51.7	103								62-137			
1,2-Dichloroethane	50.0	36.4	73								59-145			
1,1-Dichloroethene	50.0	68.6	137								46-156			
cis-1,2-Dichloroethene	50.0	68.2	136 *								64-131			Q10
trans-1,2-Dichloroethene	50.0	70.5	141 *								55-138			Q10
1,2-Dichloropropane	50.0	47.6	95								65-130			
cis-1,3-Dichloropropene	50.0	45.4	91								63-137			
trans-1,3-Dichloropropene	50.0	49.1	98								61-143			
Ethylbenzene	50.0	50.2	100								71-130			
Isobutanol	1050	1050	100								10-180			
Methylene chloride	50.0	73.3	147								39-172			
4-Methyl-2-pentanone (MIBK	50.0	46.1	92								43-159			
Methyl-tert-butyl ether	50.0	57.4	115								49-157			
Styrene	50.0	51.6	103								72-134			
1,1,1,2-Tetrachloroethane	50.0	51.5	103								70-136			
1,1,2,2-Tetrachloroethane	50.0	49.1	98								40-157			
Tetrachloroethene	50.0	60.1	120								55-156			
Toluene	50.0	47.5	95								68-131			
1,2,4-Trichlorobenzene	50.0	56.7	113								51-143			
1,1,1-Trichloroethane	50.0	51.3	103								63-133			
1,1,2-Trichloroethane	50.0	53.1	106								64-135			
Trichloroethene	50.0	49.0	98								68-134			
Trichlorofluoromethane	50.0	52.3	105								39-185			
Vinyl chloride	50.0	40.4	81								40-152			
m&p-Xylene	100.	104.	104								68-134			
o-Xylene	50.0	51.5	103								67-131			

40 compound(s) reported

QC Protocol 8/15/2012 08:50:04

*** denotes recovery outside of QC limits.**
MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Blank Results

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

Blank ID: 190060 BLANK 1 **Project:** 20142564

Lab ID: 201011605

Prep Level: Water **Batch:** 190060

Method: Water GC/MS Semivolatile Organics

Prepared: 09-Aug-12

Units: ug/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	Analysis
83-32-9	Acenaphthene	1	ND		10.0	13-Aug-12 14:34 JAM
208-96-8	Acenaphthylene	1	ND		10.0	13-Aug-12 14:34 JAM
62-53-3	Aniline	1	ND		10.0	13-Aug-12 14:34 JAM
120-12-7	Anthracene	1	ND		10.0	13-Aug-12 14:34 JAM
56-55-3	Benzo(a)anthracene	1	ND		10.0	13-Aug-12 14:34 JAM
205-99-2	Benzo(b)fluoranthene	1	ND		10.0	13-Aug-12 14:34 JAM
207-08-9	Benzo(k)fluoranthene	1	ND		10.0	13-Aug-12 14:34 JAM
50-32-8	Benzo(a)pyrene	1	ND		10.0	13-Aug-12 14:34 JAM
92-52-4	Biphenyl (Diphenyl)	1	ND		10.0	13-Aug-12 14:34 JAM
85-68-7	Butylbenzylphthalate	1	ND		10.0	13-Aug-12 14:34 JAM
106-47-8	3&4-Chloroaniline	1	ND		10.0	13-Aug-12 14:34 JAM
111-44-4	bis(2-Chloroethyl) ether	1	ND		10.0	13-Aug-12 14:34 JAM
91-58-7	2-Chloronaphthalene	1	ND		10.0	13-Aug-12 14:34 JAM
95-57-8	2-Chlorophenol	1	ND		10.0	13-Aug-12 14:34 JAM
218-01-9	Chrysene	1	ND		10.0	13-Aug-12 14:34 JAM
53-70-3	Dibenz(a,h)anthracene	1	ND		10.0	13-Aug-12 14:34 JAM
132-64-9	Dibenzofuran	1	ND		10.0	13-Aug-12 14:34 JAM
95-50-1	1,2-Dichlorobenzene	1	ND		10.0	13-Aug-12 14:34 JAM
541-73-1	1,3-Dichlorobenzene	1	ND		10.0	13-Aug-12 14:34 JAM
106-46-7	1,4-Dichlorobenzene	1	ND		10.0	13-Aug-12 14:34 JAM
91-94-1	3,3'-Dichlorobenzidine	1	ND		20.0	13-Aug-12 14:34 JAM
120-83-2	2,4-Dichlorophenol	1	ND		10.0	13-Aug-12 14:34 JAM
84-66-2	Diethylphthalate	1	ND		10.0	13-Aug-12 14:34 JAM
105-67-9	2,4-Dimethylphenol	1	ND		10.0	13-Aug-12 14:34 JAM
131-11-3	Dimethylphthalate	1	ND		10.0	13-Aug-12 14:34 JAM
99-65-0	1,3-Dinitrobenzene	1	ND		10.0	13-Aug-12 14:34 JAM
51-28-5	2,4-Dinitrophenol	1	ND		10.0	13-Aug-12 14:34 JAM
121-14-2	2,4-Dinitrotoluene	1	ND		10.0	13-Aug-12 14:34 JAM
606-20-2	2,6-Dinitrotoluene	1	ND		10.0	13-Aug-12 14:34 JAM
117-84-0	Di-n-octylphthalate	1	ND		10.0	13-Aug-12 14:34 JAM
88-85-7	Dinoseb	1	ND		10.0	13-Aug-12 14:34 JAM
117-81-7	bis(2-Ethylhexyl)phthalate	1	ND		10.0	13-Aug-12 14:34 JAM
206-44-0	Fluoranthene	1	ND		10.0	13-Aug-12 14:34 JAM
86-73-7	Fluorene	1	ND		10.0	13-Aug-12 14:34 JAM

Protocol Blank 8/15/2012 08:50:0

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

Blank Results

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

Blank ID: 190060 BLANK 1 **Project:** 20142564

Lab ID: 201011605

Prep Level: Water **Batch:** 190060

Method: Water GC/MS Semivolatile Organics

Prepared: 09-Aug-12

Units: ug/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	Analysis
87-68-3	Hexachloro-1,3-butadiene	1	ND		10.0	13-Aug-12 14:34 JAM
118-74-1	Hexachlorobenzene	1	ND		10.0	13-Aug-12 14:34 JAM
77-47-4	Hexachlorocyclopentadiene	1	ND		10.0	13-Aug-12 14:34 JAM
67-72-1	Hexachloroethane	1	ND		10.0	13-Aug-12 14:34 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		10.0	13-Aug-12 14:34 JAM
78-59-1	Isophorone	1	ND		10.0	13-Aug-12 14:34 JAM
91-20-3	Naphthalene	1	ND		10.0	13-Aug-12 14:34 JAM
88-74-4	2-Nitroaniline	1	ND		10.0	13-Aug-12 14:34 JAM
99-09-2	3-Nitroaniline	1	ND		10.0	13-Aug-12 14:34 JAM
100-01-6	4-Nitroaniline	1	ND		10.0	13-Aug-12 14:34 JAM
98-95-3	Nitrobenzene	1	ND		10.0	13-Aug-12 14:34 JAM
100-02-7	4-Nitrophenol	1	ND		10.0	13-Aug-12 14:34 JAM
621-64-7	N-Nitroso-di-n-propylamine	1	ND		10.0	13-Aug-12 14:34 JAM
86-30-6	N-Nitrosodiphenylamine	1	ND		10.0	13-Aug-12 14:34 JAM
108-60-1	2,2'-Oxybis(1-chloropropane)	1	ND		10.0	13-Aug-12 14:34 JAM
87-86-5	Pentachlorophenol	1	ND		10.0	13-Aug-12 14:34 JAM
85-01-8	Phenanthrene	1	ND		10.0	13-Aug-12 14:34 JAM
108-95-2	Phenol	1	ND		10.0	13-Aug-12 14:34 JAM
129-00-0	Pyrene	1	ND		10.0	13-Aug-12 14:34 JAM
95-94-3	1,2,4,5-Tetrachlorobenzene	1	ND		10.0	13-Aug-12 14:34 JAM
58-90-2	2,3,4,6-Tetrachlorophenol	1	ND		10.0	13-Aug-12 14:34 JAM
95-95-4	2,4,5-Trichlorophenol	1	ND		10.0	13-Aug-12 14:34 JAM
88-06-2	2,4,6-Trichlorophenol	1	ND		10.0	13-Aug-12 14:34 JAM

57 compound(s) reported

Protocol Blank 8/15/2012 08:50:0

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

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

Blank Results

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

Blank ID: 190142 BLANK 1 **Project:** 20142564

Lab ID: 201012000

Prep Level: Water **Batch:** 190142

Method: Water GC/MS Semivolatile Organics

Prepared: 09-Aug-12

Units: ug/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	Analysis
83-32-9	Acenaphthene	1	ND		0.100	13-Aug-12 15:05 JAM
208-96-8	Acenaphthylene	1	ND		0.100	13-Aug-12 15:05 JAM
120-12-7	Anthracene	1	ND		0.100	13-Aug-12 15:05 JAM
56-55-3	Benzo(a)anthracene	1	ND		0.100	13-Aug-12 15:05 JAM
205-99-2	Benzo(b)fluoranthene	1	ND		0.100	13-Aug-12 15:05 JAM
207-08-9	Benzo(k)fluoranthene	1	ND		0.100	13-Aug-12 15:05 JAM
50-32-8	Benzo(a)pyrene	1	ND		0.100	13-Aug-12 15:05 JAM
218-01-9	Chrysene	1	ND		0.100	13-Aug-12 15:05 JAM
53-70-3	Dibenz(a,h)anthracene	1	ND		0.100	13-Aug-12 15:05 JAM
206-44-0	Fluoranthene	1	ND		0.100	13-Aug-12 15:05 JAM
86-73-7	Fluorene	1	ND		0.100	13-Aug-12 15:05 JAM
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		0.100	13-Aug-12 15:05 JAM
91-57-6	2-Methylnaphthalene	1	ND		0.100	13-Aug-12 15:05 JAM
91-20-3	Naphthalene	1	ND		0.100	13-Aug-12 15:05 JAM
85-01-8	Phenanthrene	1	ND		0.100	13-Aug-12 15:05 JAM
129-00-0	Pyrene	1	ND		0.100	13-Aug-12 15:05 JAM

16 compound(s) reported

Protocol Blank 8/15/2012 08:50:0

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

Blank Results

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

Blank ID: 190050 BLANK 2 **Project:** 20142564

Lab ID: 201012166

Prep Level: Water **Batch:** 190050

Method: Water GC/MS Volatile Organics

Prepared: 13-Aug-12

Units: ug/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	Analysis
67-64-1	Acetone	1	ND		10.0	13-Aug-12 09:33 RMP
71-43-2	Benzene	1	ND		5.00	13-Aug-12 09:33 RMP
75-27-4	Bromodichloromethane	1	ND		5.00	13-Aug-12 09:33 RMP
75-25-2	Bromoform	1	ND		5.00	13-Aug-12 09:33 RMP
74-83-9	Bromomethane	1	ND		5.00	13-Aug-12 09:33 RMP
78-93-3	2-Butanone (MEK)	1	ND		10.0	13-Aug-12 09:33 RMP
75-15-0	Carbon disulfide	1	ND		5.00	13-Aug-12 09:33 RMP
56-23-5	Carbon tetrachloride	1	ND		5.00	13-Aug-12 09:33 RMP
108-90-7	Chlorobenzene	1	ND		5.00	13-Aug-12 09:33 RMP
75-00-3	Chloroethane	1	ND		5.00	13-Aug-12 09:33 RMP
67-66-3	Chloroform	1	ND		5.00	13-Aug-12 09:33 RMP
74-87-3	Chloromethane	1	ND		5.00	13-Aug-12 09:33 RMP
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00	13-Aug-12 09:33 RMP
124-48-1	Dibromochloromethane	1	ND		5.00	13-Aug-12 09:33 RMP
75-34-3	1,1-Dichloroethane	1	ND		5.00	13-Aug-12 09:33 RMP
107-06-2	1,2-Dichloroethane	1	ND		5.00	13-Aug-12 09:33 RMP
75-35-4	1,1-Dichloroethene	1	ND		5.00	13-Aug-12 09:33 RMP
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	13-Aug-12 09:33 RMP
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00	13-Aug-12 09:33 RMP
78-87-5	1,2-Dichloropropane	1	ND		5.00	13-Aug-12 09:33 RMP
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00	13-Aug-12 09:33 RMP
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00	13-Aug-12 09:33 RMP
100-41-4	Ethylbenzene	1	ND		5.00	13-Aug-12 09:33 RMP
78-83-1	Isobutanol	1	ND		250.	13-Aug-12 09:33 RMP
75-09-2	Methylene chloride	1	ND		5.00	13-Aug-12 09:33 RMP
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0	13-Aug-12 09:33 RMP
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00	13-Aug-12 09:33 RMP
100-42-5	Styrene	1	ND		5.00	13-Aug-12 09:33 RMP
630-20-6	1,1,1,2-Tetrachloroethane	1	ND		5.00	13-Aug-12 09:33 RMP
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00	13-Aug-12 09:33 RMP
127-18-4	Tetrachloroethene	1	ND		5.00	13-Aug-12 09:33 RMP
108-88-3	Toluene	1	ND		5.00	13-Aug-12 09:33 RMP
120-82-1	1,2,4-Trichlorobenzene	1	ND		5.00	13-Aug-12 09:33 RMP
71-55-6	1,1,1-Trichloroethane	1	ND		5.00	13-Aug-12 09:33 RMP

Protocol Blank 8/15/2012 08:50:0

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

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

Blank Results

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

Blank ID: 190050 BLANK 2 **Project:** 20142564

Lab ID: 201012166

Prep Level: Water **Batch:** 190050

Method: Water GC/MS Volatile Organics

Prepared: 13-Aug-12

Units: ug/L

CAS Numb	Analyte	Dilution	Result	Qu	Reporting Limit	Analysis
79-00-5	1,1,2-Trichloroethane	1	ND		5.00	13-Aug-12 09:33 RMP
79-01-6	Trichloroethene	1	ND		5.00	13-Aug-12 09:33 RMP
75-69-4	Trichlorofluoromethane	1	ND		5.00	13-Aug-12 09:33 RMP
75-01-4	Vinyl chloride	1	ND		5.00	13-Aug-12 09:33 RMP
	m&p-Xylene	1	ND		5.00	13-Aug-12 09:33 RMP
95-47-6	o-Xylene	1	ND		5.00	13-Aug-12 09:33 RMP

40 compound(s) reported

Protocol Blank 8/15/2012 08:50:0

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

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

Inorganics Quality Control

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

Project: 20142564

Parameter	Batch	Blank	Units	LCS Spike	LCS Found	LCS %Rec	MS Spike	Sample Found	MS Found	MSD Found	MS %Rec	MSD %Rec	RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Chloride	190069	< 1.00	mg/L	69.0	63.3	92	1000	134000	134000		37 *		0	90-110	75-125	20	D1,Q3

*** denotes recovery outside of QC limits.**

MS/MSD RPD is calculated via SW-846 rules on the basis of spiked sample concentrations rather than spike recoveries.

Sample Results

Tentatively Identified Compounds

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

Client: DEQ LABORATORY

Client ID: 040-120808-01-A
Project No.: 20142564
Project: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011526
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 190050
Method: GCMS VOAs Water

Collected: 08-Aug-12
Received: 09-Aug-12
Prepared: 13-Aug-12

Units: mg/L

CAS No.	RT	Tentatively Identified Compound	Dilution	Result	Qu	Analysis
000107-83-5	3.53	Pentane, 2-methyl-	2.5	2900	J A1	13-Aug-12 13:44 RMP
000096-37-7	5.08	Cyclopentane, methyl-	2.5	1990	J A1	13-Aug-12 13:44 RMP
000565-59-3	5.99	Pentane, 2,3-dimethyl-	2.5	1200	J A1	13-Aug-12 13:44 RMP
000589-34-4	6.08	Hexane, 3-methyl-	2.5	1030	J A1	13-Aug-12 13:44 RMP
001759-58-6	6.28	Cyclopentane, 1,3-dimethyl-, trans-	2.5	1120	J A1	13-Aug-12 13:44 RMP
000822-50-4	6.41	Cyclopentane, 1,2-dimethyl-, trans-	2.5	995.	J A1	13-Aug-12 13:44 RMP
002815-58-9	7.35	Cyclopentane, 1,2,4-trimethyl-	2.5	1130	J A1	13-Aug-12 13:44 RMP
015890-40-1	7.49	Cyclopentane, 1,2,3-trimethyl-, (1.alpha	2.5	1150	J A1	13-Aug-12 13:44 RMP
000583-48-2	7.81	Hexane, 3,4-dimethyl-	2.5	929.	J A1	13-Aug-12 13:44 RMP
000624-29-3	8.02	Cyclohexane, 1,4-dimethyl-, cis-	2.5	1870	J A1	13-Aug-12 13:44 RMP
000590-66-9	8.21	Cyclohexane, 1,1-dimethyl-	2.5	1290	J A1	13-Aug-12 13:44 RMP
001678-91-7	8.99	Cyclohexane, ethyl-	2.5	1070	J A1	13-Aug-12 13:44 RMP
003073-66-3	9.09	Cyclohexane, 1,1,3-trimethyl-	2.5	999.	J A1	13-Aug-12 13:44 RMP
001839-63-0	9.29	Cyclohexane, 1,3,5-trimethyl-	2.5	915.	J A1	13-Aug-12 13:44 RMP
053907-59-8	9.96	2-Pentene, 3-ethyl-4,4-dimethyl-	2.5	1590	J A1	13-Aug-12 13:44 RMP
000768-32-1	11.62	Silane, trimethylphenyl-	2.5	2540	J A1	13-Aug-12 13:44 RMP
000702-79-4	11.71	Adamantane, 1,3-dimethyl-	2.5	1110	J A1	13-Aug-12 13:44 RMP
017301-23-4	11.924	Undecane, 2,6-dimethyl-	2.5	1110	J A1	13-Aug-12 13:44 RMP
001450-72-2	12.002	Ethanone, 1-(2-hydroxy-5-methylphenyl)-	2.5	1180	J A1	13-Aug-12 13:44 RMP
041678-30-2	12.327	Edulan ii	2.5	1420	J A1	13-Aug-12 13:44 RMP

20 TIC(s) reported

TICs 8/15/2012 08:50:29

ND denotes the analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.

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

Sample Results

Tentatively Identified Compounds

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

Client: DEQ LABORATORY

Client ID: 040-120808-03-A
Project No.: 20142564
Project: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011527
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 190050
Method: GCMS VOAs Water

Collected: 08-Aug-12
Received: 09-Aug-12
Prepared: 13-Aug-12

Units: mg/L

CAS No.	RT	Tentatively Identified Compound	Dilution	Result	Qu	Analysis
000079-29-8	3.54	Butane, 2,3-dimethyl-	2.5	938.	J A1	13-Aug-12 12:39 RMP
000096-37-7	5.08	Cyclopentane, methyl-	2.5	790.	J A1	13-Aug-12 12:39 RMP
000565-59-3	5.99	Pentane, 2,3-dimethyl-	2.5	636.	J A1	13-Aug-12 12:39 RMP
000589-34-4	6.08	Hexane, 3-methyl-	2.5	571.	J A1	13-Aug-12 12:39 RMP
002815-58-9	7.35	Cyclopentane, 1,2,4-trimethyl-	2.5	626.	J A1	13-Aug-12 12:39 RMP
015890-40-1	7.49	Cyclopentane, 1,2,3-trimethyl-, (1.alpha	2.5	624.	J A1	13-Aug-12 12:39 RMP
002207-04-7	8.03	Cyclohexane, 1,4-dimethyl-, trans-	2.5	2150	J A1	13-Aug-12 12:39 RMP
002207-03-6	8.22	Cyclohexane, 1,3-dimethyl-, trans-	2.5	745.	J A1	13-Aug-12 12:39 RMP
001678-91-7	8.99	Cyclohexane, ethyl-	2.5	570.	J A1	13-Aug-12 12:39 RMP
003073-66-3	9.1	Cyclohexane, 1,1,3-trimethyl-	2.5	920.	J A1	13-Aug-12 12:39 RMP
002234-75-5	9.3	Cyclohexane, 1,2,4-trimethyl-	2.5	930.	J A1	13-Aug-12 12:39 RMP
050876-31-8	9.97	Cyclohexane, 1,1,3,5-tetramethyl-, trans	2.5	1620	J A1	13-Aug-12 12:39 RMP
007712-74-5	10.32	Cyclopentene, 1-isopropyl-4,5-dimethyl-	2.5	616.	J A1	13-Aug-12 12:39 RMP
001892-12-2	11.3	Cyclododecanemethanol	2.5	1340	J A1	13-Aug-12 12:39 RMP
017983-26-5	11.36	Ketone, 2,2-dimethylcyclohexyl methyl	2.5	688.	J A1	13-Aug-12 12:39 RMP
004292-92-6	11.62	Cyclohexane, pentyl-	2.5	1940	J A1	13-Aug-12 12:39 RMP
000099-87-6	11.716	Benzene, 1-methyl-4-(1-methylethyl)-	2.5	870.	J A1	13-Aug-12 12:39 RMP
000095-93-2	11.758	Benzene, 1,2,4,5-tetramethyl-	2.5	576.	J A1	13-Aug-12 12:39 RMP
001450-72-2	12.004	Ethanone, 1-(2-hydroxy-5-methylphenyl)-	2.5	1010	J A1	13-Aug-12 12:39 RMP
055956-32-6	12.323	4,5-Nonadiene, 2-methyl-	2.5	1330	J A1	13-Aug-12 12:39 RMP

20 TIC(s) reported

TICs 8/15/2012 08:50:29

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Regulatory limit may denote an actual regulatory limit or a client-requested notification lim

Sample Results

Tentatively Identified Compounds

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

Client: DEQ LABORATORY

Client ID: 040-120808-05-A
Project No.: 20142564
Project: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011528
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 190050
Method: GCMS VOAs Water

Collected: 08-Aug-12
Received: 09-Aug-12
Prepared: 13-Aug-12

Units: mg/L

CAS No.	RT	Tentatively Identified Compound	Dilution	Result	Qu	Analysis
000079-29-8	3.55	Butane, 2,3-dimethyl-	1	103.	J A1	13-Aug-12 12:59 RMP
000096-37-7	5.09	Cyclopentane, methyl-	1	75.9	J A1	13-Aug-12 12:59 RMP
002207-04-7	8.03	Cyclohexane, 1,4-dimethyl-, trans-	1	159.	J A1	13-Aug-12 12:59 RMP
000583-57-3	8.21	Cyclohexane, 1,2-dimethyl- (cis/trans)	1	54.9	J A1	13-Aug-12 12:59 RMP
001678-91-7	8.993	Cyclohexane, ethyl-	1	70.9	J A1	13-Aug-12 12:59 RMP
003073-66-3	9.095	Cyclohexane, 1,1,3-trimethyl-	1	145.	J A1	13-Aug-12 12:59 RMP
007667-60-9	9.294	Cyclohexane, 1,2,4-trimethyl-, (1.alpha.,2.beta.,4	1	149.	J A1	13-Aug-12 12:59 RMP
000000-00-0	9.534	cis-3-Hexenyl 2-methylbutanoate	1	49.1	J A1	13-Aug-12 12:59 RMP
074793-36-5	9.973	Zinc, bis[2-(1,1-dimethylethyl)-3,3-dimethylcyclop	1	209.	J A1	13-Aug-12 12:59 RMP
000696-29-7	10.099	Cyclohexane, (1-methylethyl)-	1	81.4	J A1	13-Aug-12 12:59 RMP
003221-61-2	10.309	Octane, 2-methyl-	1	123.	J A1	13-Aug-12 12:59 RMP
003637-63-6	10.46	Cyclooctanemethanol	1	76.7	J A1	13-Aug-12 12:59 RMP
004292-92-6	11.614	Cyclohexane, pentyl-	1	160.	J A1	13-Aug-12 12:59 RMP
049751-50-0	11.71	5-(3-Methylbutyl)-2-pyridinecarboxylic acid	1	67.9	J A1	13-Aug-12 12:59 RMP
000527-53-7	11.752	Benzene, 1,2,3,5-tetramethyl-	1	55.2	J A1	13-Aug-12 12:59 RMP
003913-02-8	11.914	1-Octanol, 2-butyl-	1	93.7	J A1	13-Aug-12 12:59 RMP
001450-72-2	11.992	Ethanone, 1-(2-hydroxy-5-methylphenyl)-	1	75.1	J A1	13-Aug-12 12:59 RMP
000120-61-6	12.112	1,4-Benzenedicarboxylic acid, dimethyl ester	1	66.9	J A1	13-Aug-12 12:59 RMP
054105-67-8	12.22	Heptadecane, 2,6-dimethyl-	1	53.8	J A1	13-Aug-12 12:59 RMP
035946-91-9	12.317	Phenol, 2,5-bis(1-methylethyl)-	1	88.7	J A1	13-Aug-12 12:59 RMP

20 TIC(s) reported

TICs 8/15/2012 08:50:29

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Sample Results

Tentatively Identified Compounds

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

Client: DEQ LABORATORY

Client ID: 040-120808-02-A
Project No.: 20142564
Project: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011533
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 190060
Method: GCMS SVOAs Dual pH

Collected: 08-Aug-12
Received: 09-Aug-12
Prepared: 09-Aug-12

Units: ug/L

CAS No.	RT	Tentatively Identified Compound	Dilution	Result	Qu	Analysis
	5.14	unknown hydrocarbon	4	1.12	J A1	13-Aug-12 22:11 JAM
	5.42	unknown hydrocarbon	4	1.12	J A1	13-Aug-12 22:11 JAM
	6.53	unknown	4	1.85	J A1	13-Aug-12 22:11 JAM
	7.74	unknown hydrocarbon	4	1.61	J A1	13-Aug-12 22:11 JAM
	7.9	unknown hydrocarbon	4	1.51	J A1	13-Aug-12 22:11 JAM
	8.53	unknown hydrocarbon	4	1.42	J A1	13-Aug-12 22:11 JAM
	8.84	unknown hydrocarbon	4	3.56	J A1	13-Aug-12 22:11 JAM
	9.25	unknown hydrocarbon	4	4.01	J A1	13-Aug-12 22:11 JAM
	9.32	unknown hydrocarbon	4	1.05	J A1	13-Aug-12 22:11 JAM
	9.52	unknown hydrocarbon	4	4.81	J A1	13-Aug-12 22:11 JAM
	9.8	unknown hydrocarbon	4	1.07	J A1	13-Aug-12 22:11 JAM
	9.92	unknown hydrocarbon	4	1.19	J A1	13-Aug-12 22:11 JAM
	10.15	unknown hydrocarbon	4	5.42	J A1	13-Aug-12 22:11 JAM
	10.42	unknown hydrocarbon	4	2.17	J A1	13-Aug-12 22:11 JAM
	10.74	unknown hydrocarbon	4	3.50	J A1	13-Aug-12 22:11 JAM
	11.3	unknown hydrocarbon	4	2.10	J A1	13-Aug-12 22:11 JAM
	11.34	unknown hydrocarbon	4	1.07	J A1	13-Aug-12 22:11 JAM
	11.85	unknown hydrocarbon	4	2.22	J A1	13-Aug-12 22:11 JAM
	12.39	unknown hydrocarbon	4	1.83	J A1	13-Aug-12 22:11 JAM
	12.92	unknown hydrocarbon	4	1.80	J A1	13-Aug-12 22:11 JAM

20 TIC(s) reported

TICs 8/15/2012 08:50:30

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Sample Results

Tentatively Identified Compounds

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

Client: DEQ LABORATORY

Client ID: 040-120808-04-A
Project No.: 20142564
Project: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011535
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 190060
Method: GCMS SVOAs Dual pH

Collected: 08-Aug-12
Received: 09-Aug-12
Prepared: 09-Aug-12

Units: ug/L

CAS No.	RT	Tentatively Identified Compound	Dilution	Result	Qu	Analysis
	4.79	unknown hydrocarbon	1	0.108	J A1	13-Aug-12 22:36 JAM
	5.14	unknown hydrocarbon	1	0.0766	J A1	13-Aug-12 22:36 JAM
	6.54	unknown	1	0.131	J A1	13-Aug-12 22:36 JAM
	7.74	unknown hydrocarbon	1	0.0986	J A1	13-Aug-12 22:36 JAM
	7.91	unknown hydrocarbon	1	0.0886	J A1	13-Aug-12 22:36 JAM
	8.68	unknown hydrocarbon	1	0.193	J A1	13-Aug-12 22:36 JAM
	8.85	unknown hydrocarbon	1	0.290	J A1	13-Aug-12 22:36 JAM
	9.25	unknown hydrocarbon+unknown	1	0.341	J A1	13-Aug-12 22:36 JAM
	9.33	unknown hydrocarbon	1	0.0857	J A1	13-Aug-12 22:36 JAM
	9.53	unknown hydrocarbon	1	0.417	J A1	13-Aug-12 22:36 JAM
	9.81	unknown hydrocarbon	1	0.0967	J A1	13-Aug-12 22:36 JAM
000829-26-5	9.93	Naphthalene,trimethyl+unk hydrocarbon	1	0.132	J A1	13-Aug-12 22:36 JAM
	10.16	unknown hydrocarbon	1	0.459	J A1	13-Aug-12 22:36 JAM
	10.43	unknown hydrocarbon	1	0.190	J A1	13-Aug-12 22:36 JAM
	10.75	unknown hydrocarbon	1	0.269	J A1	13-Aug-12 22:36 JAM
	11.31	unknown hydrocarbon	1	0.159	J A1	13-Aug-12 22:36 JAM
	11.35	unknown hydrocarbon	1	0.0812	J A1	13-Aug-12 22:36 JAM
	11.86	unknown hydrocarbon	1	0.175	J A1	13-Aug-12 22:36 JAM
	12.4	unknown hydrocarbon	1	0.150	J A1	13-Aug-12 22:36 JAM
	12.93	unknown hydrocarbon	1	0.146	J A1	13-Aug-12 22:36 JAM

20 TIC(s) reported

TICs 8/15/2012 08:50:30

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Sample Results

Tentatively Identified Compounds

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

Client: DEQ LABORATORY

Client ID: 040-120808-06-A
Project No.: 20142564
Project: BAYOU CORNE SLURRY POND
Site: None
Lab ID: 201011537
Matrix: Other
% Moisture: n/a
Description: None
Prep Level: Water
Batch: 190060
Method: GCMS SVOAs Dual pH

Collected: 08-Aug-12
Received: 09-Aug-12
Prepared: 09-Aug-12

Units: ug/L

CAS No.	RT	Tentatively Identified Compound	Dilution	Result	Qu	Analysis	
	4.53	unknown hydrocarbon	1	0.0261	J A1	13-Aug-12 23:01	JAM
000098-82-8	4.69	Benzene,alkyl	1	0.0254	J A1	13-Aug-12 23:01	JAM
	5.48	unknown	1	0.100	J A1	13-Aug-12 23:01	JAM
	6.53	unknown	1	0.0471	J A1	13-Aug-12 23:01	JAM
	7.73	unknown hydrocarbon	1	0.0307	J A1	13-Aug-12 23:01	JAM
	7.9	unknown hydrocarbon	1	0.0349	J A1	13-Aug-12 23:01	JAM
	8.67	unknown hydrocarbon	1	0.0457	J A1	13-Aug-12 23:01	JAM
	8.84	unknown hydrocarbon	1	0.0654	J A1	13-Aug-12 23:01	JAM
000571-58-4	9.17	Naphthalene,dimethyl+unk hydrocarbon	1	0.0260	J A1	13-Aug-12 23:01	JAM
	9.24	unknown hydrocarbon	1	0.0685	J A1	13-Aug-12 23:01	JAM
	9.51	unknown hydrocarbon	1	0.0943	J A1	13-Aug-12 23:01	JAM
	9.79	unknown hydrocarbon	1	0.0262	J A1	13-Aug-12 23:01	JAM
	9.91	unknown hydrocarbon	1	0.0356	J A1	13-Aug-12 23:01	JAM
	10.14	unknown hydrocarbon	1	0.0986	J A1	13-Aug-12 23:01	JAM
	10.42	unknown hydrocarbon	1	0.0472	J A1	13-Aug-12 23:01	JAM
	10.74	unknown hydrocarbon	1	0.0580	J A1	13-Aug-12 23:01	JAM
	11.3	unknown hydrocarbon	1	0.0329	J A1	13-Aug-12 23:01	JAM
	11.84	unknown hydrocarbon	1	0.0330	J A1	13-Aug-12 23:01	JAM
	12.38	unknown hydrocarbon	1	0.0270	J A1	13-Aug-12 23:01	JAM
	12.91	unknown hydrocarbon	1	0.0266	J A1	13-Aug-12 23:01	JAM

20 TIC(s) reported

TICs 8/15/2012 08:50:30

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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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Definitions/Qualifiers

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

Project: 20142564

Value	Description
A1	The reported values are estimated concentrations determined using a relative response factor of 1.0 for these analytes. Quantitation was based upon the nearest internal standard free of interferences.
D1	The analysis was performed at a dilution due to the high analyte concentration.
D2	The analysis was performed at a dilution due to the presence of matrix interferences.
M1	The sample required reextraction and/or reanalysis due to surrogate recoveries outside the QC limits. Reanalysis yielded similar results, indicating a sample matrix effect. The results reported are from the original analysis.
P11	A reduced sample aliquot was prepared because of an insufficient amount of available sample.
Q10	The spike recovery was above the laboratory QC limits, however, the data are reported without qualification since the target analyte was not detected in the corresponding samples.
Q3	The matrix spike recoveries are poor due to the presence of this analyte in the sample at a concentration greater than 4 times the spiked amount. Acceptable method performance for this analyte has been demonstrated by the laboratory control sample.
Q5	Insufficient sample was provided to perform matrix spike analyses on any sample in this analytical batch. Method performance for this analyte has been demonstrated by the laboratory control sample recovery.
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.
U	The analyte was analyzed for but not detected at the reporting limit or method detection limit indicated.
B	This analyte was detected in the method blank.
E	The sample concentration is above the linear calibrated range of the analysis.
LCS	Laboratory Control Sample.
MS(D)	Matrix Spike (Duplicate).
DUP	Sample Duplicate.
RPD	Relative Percent Difference.

Pace Analytical Services, In
1000 Riverbend Blvd. Suite F
St. Rose, LA 7008
(504) 469-033

Chains of Custody

Pace Analytical™

INTERNAL CHAIN OF CUSTODY

EPN/SDG #: 20142564
Client: DEQ
Analytical Fraction:

PACE ID	CLIENT ID	PACE ID	CLIENT ID
20101526	040-120808-01-A		
533	040-120808-02-A		
527	040-120808-03-A		
535	040-120808-04-A		
538	040-120808-05-A		
537	040-120808-06-A		

DATE	RELINQUISHED BY	RECEIVED BY	COMMENTS
8-9-12	Printed Name: J Miller Signature: J Miller	Printed Name: TRACY Signature:	EASLEY Easley
	Printed Name: Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	

Pace Analytical™

INTERNAL CHAIN OF CUSTODY

EPN/SDG #: 20142564

Client: DEQ

Analytical Fraction:

PACE ID	CLIENT ID	PACE ID	CLIENT ID
20101526	040-120808-01-A		
533	040-120808-02-A		
527	040-120808-03-A		
535	040-120808-04-A		
538	040-120808-05-A		
537	040-120808-06-A		

DATE	RELINQUISHED BY	RECEIVED BY	COMMENTS
8-9-12	Printed Name: J Miller Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	

Pace Analytical™

INTERNAL CHAIN OF CUSTODY

EPN/SDG #: 20142564
Client: DEQ
Analytical Fraction:

PACE ID	CLIENT ID	PACE ID	CLIENT ID
20101526	040-120808-01-A		
533	040-120808-02-A		
527	040-120808-03-A		
535	040-120808-04-A		
538	040-120808-05-A		
537	040-120808-06-A		

DATE	RELINQUISHED BY	RECEIVED BY	COMMENTS
8-9-12	Printed Name: J Miller Signature:	Printed Name: KEITH J. RHODE Signature:	
	Printed Name: Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	
	Printed Name: Signature:	Printed Name: Signature:	

2 20142564 20-DEQ LAB

20142564

Louisiana Department of Environmental Quality
Chain of Custody Record

Page 1 of 1

AI: 182981 Site:

Location Name: Bayou Corne Slurry Pond

Address:

Sample Collector(s): Chris Piehler
Terry Dedon

Sample ID	Location ID	Collection Date	Collection Time	Matrix	Sample Type	Filtered – Yes or No	# of Containers	Grab or Composite	SW846 Method 8260	SW846 Method 8270	Chlorides						Remarks
040-120808-01-A	150' Deep	8/8/12	1524	Water		N	3	G	✓				20142526				High Petroleum Content
040-120808-02-A	150' Deep	"	1524	"		N	2	G		✓	✓				533		"
040-120808-03-A	100' Deep	"	1558	"		N	3	G	✓						527		High Petroleum Content
040-120808-04-A	100' Deep	"	1558	"		N	2	G		✓	✓				535		"
040-120808-05-A	50' Deep	"	1603	"		N	3	G	✓						528		High Petroleum Content
040-120808-06-A	50' Deep	"	1603	"		N	2	G		✓	✓				537		"

Additional Comments:

Relinquished by:	Date:	Time:	Received by:
[signature]	8/9/12	7:50 A	[signature] Pace
[signature] Pace	8-9-12	1000	[signature] 2.5

12/17/2009

2 201125564 20-DEC LAB 1

Pace Analytical

1000 Riverbend. Blvd., Suite F
St. Rose, LA 70087

Sample Conditi

Courier: ☑ Pace Courier ☐ Hackbarth ☐ Fed X ☐ UPS ☐ DHL ☐ USPS ☐ Customer ☐ Other

Custody Seal on Cooler/Box Present: [see COC]

Custody Seals Intact: ☑Yes ☐No

Therometer Used: ☑ Therm Fisher IR 1 ☐ Therm Fisher IR 2 ☐ Therm Fisher IR 4

Type of Ice: (Wet) Blue None

Samples on ice: [see COC]

Cooler Temperature: [see COC]

Temp should be above freezing to 6°C

Date and initials of person examining contents: 8-5-12

Temp must be measured from Temperature blank when present

					Comments:
Temperature Blank Present"?	☐Yes	☑No	☐N/A	1	
Chain of Custody Present:	☑Yes	☐No	☐N/A	2	
Chain of Custody Complete:	☑Yes	☐No	☐N/A	3	
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	4	
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	5	
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	6	
Sufficient Volume:	☑Yes	☐No	☐N/A	7	
Correct Containers Used:	☑Yes	☐No	☐N/A	8	
Filtered vol. Rec. for Diss. tests	☐Yes	☑No	☐N/A	9	
Sample Labels match COC:	☑Yes	☐No	☐N/A	10	
All containers received within manefacture's precautionary and/or expiration dates.	☑Yes	☐No	☐N/A	11	
All containers needing preservation have been checked (except VOA, coliform, & O&G).	☐Yes	☐No	☑N/A	12	
All containers preservation checked found to be in compliance with EPA recommendation.	☐Yes	☐No	☑N/A	13	If.No, was preserative added? ☐Yes ☐No If added record lot no.: HNO3 _____ H2SO4 _____
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14	
Headspace in VOA Vials (>6mm):	☐Yes	☑No	☐N/A	14	
Trip Blank Present:	☐Yes	☐No	☑N/A	16	
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	17	
Pace Trip Blank Lot # (if purchased): N/A				18	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

ALLC003rev.06, 28Jul2010 - mod