



Pace Analytical Services, Inc.  
3610 Park Central Blvd N  
Pompano Beach, FL 33064  
954-682-4300

April 02, 2012

Clive Powell  
Miami Dade Water & Sewer-South  
8950 SW 232 Street  
Miami, FL 33190

RE: Project: ANNUAL PRIORITY POLLUTANTS  
Pace Project No.: 3553382

Dear Clive Powell:

Enclosed are the analytical results for sample(s) received by the laboratory on March 29, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Rosy Guima

rossy.guima@pacelabs.com  
Project Manager

Enclosures



#### REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: ANNUAL PRIORITY POLLUTANTS  
Pace Project No.: 3553382

### Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174  
Alabama Certification #: 41320  
Arizona Certification #: AZ0735  
Colorado Certification: FL NELAC Reciprocity  
Connecticut Certification #: PH 0216  
Florida Certification #: E83079  
Georgia Certification #: 955  
Guam Certification: FL NELAC Reciprocity  
Hawaii Certification: FL NELAC Reciprocity  
Illinois Certification #: 200068  
Indiana Certification: FL NELAC Reciprocity  
Kansas Certification #: E-10388  
Kentucky Certification #: 90050  
Louisiana Certification #: FL NELAC Reciprocity  
Louisiana Environmental Certificate #: 05007  
Maine Certification #: FL01264  
Massachusetts Certification #: M-FL1264  
Michigan Certification #: 8911  
Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236  
Montana Certification #: Cert 0074  
Nevada Certification: FL NELAC Reciprocity  
New Hampshire Certification #: 2958  
New Jersey Certification #: FL765  
New York Certification #: 11608  
North Carolina Environmental Certificate #: 667  
North Carolina Certification #: 12710  
Pennsylvania Certification #: 68-00547  
Puerto Rico Certification #: FL01264  
Tennessee Certification #: TN02974  
Texas Certification: FL NELAC Reciprocity  
U.S. Virgin Islands Certification: FL NELAC Reciprocity  
Virginia Certification #: 00432  
Virginia Environmental Certificate #: 460165  
Washington Certification #: C955  
Wyoming Certification: FL NELAC Reciprocity  
Wyoming (EPA Region 8): FL NELAC Reciprocity

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: ANNUAL PRIORITY POLLUTANTS  
Pace Project No.: 3553382

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3553382001	EFFLUENT 24 HR COMP	Water	03/28/12 23:00	03/29/12 15:35

### REPORT OF LABORATORY ANALYSIS

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3610 Park Central Blvd N  
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954-582-4300

### SAMPLE ANALYTE COUNT

Project: ANNUAL PRIORITY POLLUTANTS  
Pace Project No.: 3553382

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3553382001	EFFLUENT 24 HR COMP	EPA 180.1	KDM	1	PASI-O
		EPA 365.1	AMD	1	PASI-O

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## ANALYTICAL RESULTS

Project: ANNUAL PRIORITY POLLUTANTS

Pace Project No.: 3553382

Sample: EFFLUENT 24 HR COMP Lab ID: 3553382001 Collected: 03/28/12 23:00 Received: 03/29/12 15:35 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
180.1 Turbidity	Analytical Method: EPA 180.1								
Turbidity	1.0	NTU	0.20	0.20	1		03/30/12 13:46		
365.1 Orthophosphate as P	Analytical Method: EPA 365.1								
Orthophosphate as P	2.0	mg/L	0.020	0.013	5		03/30/12 08:04		J(M1)

Date: 04/02/2012 01:46 PM

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: ANNUAL PRIORITY POLLUTANTS  
Pace Project No.: 3553382

QC Batch: WET/12589 Analysis Method: EPA 180.1  
QC Batch Method: EPA 180.1 Analysis Description: 180.1 Turbidity  
Associated Lab Samples: 3553382001

METHOD BLANK: 365585 Matrix: Water  
Associated Lab Samples: 3553382001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Turbidity	NTU	0.20U	0.20	03/30/12 13:19	

LABORATORY CONTROL SAMPLE: 365586

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Turbidity	NTU	13.8	14.0	101	90-110	

SAMPLE DUPLICATE: 365587

Parameter	Units	3553382001 Result	Dup Result	RPD	Max RPD	Qualifiers
Turbidity	NTU	1.9	2.0	3	20	

### QUALITY CONTROL DATA

Project: ANNUAL PRIORITY POLLUTANTS

Pace Project No.: 3553382

QC Batch: WETA/16173

Analysis Method: EPA 365.1

QC Batch Method: EPA 365.1

Analysis Description: 365.1 Orthophosphate as P

Associated Lab Samples: 3553382001

METHOD BLANK: 365209

Matrix: Water

Associated Lab Samples: 3553382001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Orthophosphate as P	mg/L	0.0026U	0.0040	03/30/12 07:34	

LABORATORY CONTROL SAMPLE: 365210

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	.1	0.096	96	90-110	

MATRIX SPIKE SAMPLE: 365212

Parameter	Units	3553382001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Orthophosphate as P	mg/L	2.0	.5	2.4	88	90-110 J(M1)	

SAMPLE DUPLICATE: 365211

Parameter	Units	3553382001 Result	Dup Result	RPD	Max RPD	Qualifiers
Orthophosphate as P	mg/L	2.0	2.0	1	20	



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## QUALIFIERS

Project: ANNUAL PRIORITY POLLUTANTS  
Pace Project No.: 3553382

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-O Pace Analytical Services - Ormond Beach

### ANALYTE QUALIFIERS

J(M1) Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.



### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ANNUAL PRIORITY POLLUTANTS  
Pace Project No.: 3553382

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3553382001	EFFLUENT 24 HR COMP	EPA 180.1	WET/12589		
3553382001	EFFLUENT 24 HR COMP	EPA 385.1	WETA/10173		

40956

**Sample Condition Upon Receipt Form (SCURF)**

Table Number: 3553282  
 Client Name: DAVID DAVIS Project # 3553282  
 Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Other ☐ Other

Tracking # \_\_\_\_\_  
 Chain of Custody Present: ☐ Yes ☒ No ☐ Sealed ☐ Yes ☒ No  
 Picking Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Other ☐ Other  
 Thermometer Used: 1109 Type of Use: Wet Blue None  
 Cooler Temperature: 41.6 (Visual) 0.46 (Correction Factor) (Actual) (Desired)

Receipt of samples satisfactory: ☐ Yes ☒ No Rush TAT requested on COC: ☐ Yes ☒ No

If Yes, then all conditions below were met: If no, then mark box & describe issue (use comments area if necessary):

Chain of Custody Present	<input type="checkbox"/>
Chain of Custody Filled Out	<input type="checkbox"/>
Reduplicated Signature & Sample Name COC	<input type="checkbox"/>
Samples Arrived within Hold Time	<input type="checkbox"/>
Sufficient Volume	<input type="checkbox"/>
Correct Containers Used	<input type="checkbox"/>
Container intact	<input type="checkbox"/>
Sample Labels match COC (sample IDs & definition of collection)	<input type="checkbox"/>
All collection necessary information was there to be in compliance with EPA recommendations.	<input type="checkbox"/>
No Handpiece in VOA Vials (4-900)	<input type="checkbox"/>

Client Notification Resolution: \_\_\_\_\_

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/Resolution (see back for additional comments): \_\_\_\_\_

Project Manager Review: \_\_\_\_\_ Date: \_\_\_\_\_

**Finished Product Information Only**

P.P. Sample ID:	Size & Qty of Bottles Received
Production Code:	<input type="checkbox"/> 5 Gal
Date/Time Opened:	<input type="checkbox"/> 2.5 Gal
Number of Unopened Bottles Remaining:	<input type="checkbox"/> 1 Gal
	<input type="checkbox"/> 11.2oz
	<input type="checkbox"/> 400 mL
	<input type="checkbox"/> 250 mL
	<input type="checkbox"/> Other:
Extra Sample in Chest:	Yes No