

LEGEND:

- SOIL BORING
- ⊕ WELL
- METHANE PROBE

December 30, 2015

Brittney Odom
SCS Engineers
7700 N Kendall Drive
#607
Miami, FL 33156

RE: Project: 09213010.62/Douglas Park
Pace Project No.: 35222352

Dear Brittney Odom:

Enclosed are the analytical results for sample(s) received by the laboratory on December 22, 2015. 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,



Christina Raschke
christina.raschke@pacelabs.com
Project Manager

Enclosures

cc: Somshekhar Kundral, SCS Engineers
Anthony Pezzotti, SCS ES Consultants



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 09213010.62/Douglas Park

Pace Project No.: 35222352

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
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-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: 09213010.62/Douglas Park

Pace Project No.: 35222352

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35222352001	SB-North (0-1')	Solid	12/21/15 14:10	12/22/15 14:15
35222352002	SB-South (0-1')	Solid	12/21/15 15:24	12/22/15 14:15
35222352003	SB-West (0-1')	Solid	12/21/15 13:53	12/22/15 14:15
35222352004	SB-East (0-1')	Solid	12/21/15 14:48	12/22/15 14:15
35222352005	SB-Middle (0-1')	Solid	12/21/15 15:09	12/22/15 14:15

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SAMPLE ANALYTE COUNT

Project: 09213010.62/Douglas Park
Pace Project No.: 35222352

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35222352001	SB-North (0-1')	EPA 6010	MEW	1	PASI-O
		ASTM D2974-87	MLO	1	PASI-O
35222352002	SB-South (0-1')	EPA 6010	MEW	1	PASI-O
		ASTM D2974-87	MLO	1	PASI-O
35222352003	SB-West (0-1')	EPA 6010	MEW	1	PASI-O
		ASTM D2974-87	MLO	1	PASI-O
35222352004	SB-East (0-1')	EPA 6010	MEW	1	PASI-O
		ASTM D2974-87	MLO	1	PASI-O
35222352005	SB-Middle (0-1')	EPA 6010	MEW	1	PASI-O
		ASTM D2974-87	MLO	1	PASI-O

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PROJECT NARRATIVE

Project: 09213010.62/Douglas Park

Pace Project No.: 35222352

Method: EPA 6010

Description: 6010 MET ICP, TCLP

Client: SCS Engineers

Date: December 30, 2015

General Information:

5 samples were analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:

The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 09213010.62/Douglas Park

Pace Project No.: 35222352

Sample: SB-North (0-1') **Lab ID: 35222352001** Collected: 12/21/15 14:10 Received: 12/22/15 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 12/28/15 15:00								
Lead	0.050 U	mg/L	0.10	0.050	1	12/29/15 15:11	12/30/15 16:13	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	11.4	%	0.10	0.10	1		12/28/15 15:08		

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ANALYTICAL RESULTS

Project: 09213010.62/Douglas Park

Pace Project No.: 35222352

Sample: SB-South (0-1) **Lab ID: 35222352002** Collected: 12/21/15 15:24 Received: 12/22/15 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 12/28/15 15:00								
Lead	0.050 U	mg/L	0.10	0.050	1	12/29/15 15:11	12/30/15 16:17	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	6.2	%	0.10	0.10	1		12/28/15 15:08		

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ANALYTICAL RESULTS

Project: 09213010.62/Douglas Park

Pace Project No.: 35222352

Sample: SB-West (0-1') **Lab ID: 35222352003** Collected: 12/21/15 13:53 Received: 12/22/15 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 12/28/15 15:00								
Lead	0.050 U	mg/L	0.10	0.050	1	12/29/15 15:11	12/30/15 16:21	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	6.7	%	0.10	0.10	1		12/28/15 15:08		J(D6)

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ANALYTICAL RESULTS

Project: 09213010.62/Douglas Park

Pace Project No.: 35222352

Sample: SB-East (0-1) **Lab ID: 35222352004** Collected: 12/21/15 14:48 Received: 12/22/15 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 12/28/15 15:00								
Lead	0.050 U	mg/L	0.10	0.050	1	12/29/15 15:11	12/30/15 16:39	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	7.3	%	0.10	0.10	1		12/28/15 15:08		

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ANALYTICAL RESULTS

Project: 09213010.62/Douglas Park

Pace Project No.: 35222352

Sample: SB-Middle (0-1') **Lab ID: 35222352005** Collected: 12/21/15 15:09 Received: 12/22/15 14:15 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010 Leachate Method/Date: EPA 1311; 12/28/15 15:00								
Lead	0.050 U	mg/L	0.10	0.050	1	12/29/15 15:11	12/30/15 16:43	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	8.1	%	0.10	0.10	1		12/28/15 15:09		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 09213010.62/Douglas Park
Pace Project No.: 35222352

QC Batch: MPRP/28020 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
Associated Lab Samples: 35222352001, 35222352002, 35222352003, 35222352004, 35222352005

METHOD BLANK: 1433689 Matrix: Water
Associated Lab Samples: 35222352001, 35222352002, 35222352003, 35222352004, 35222352005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Lead	mg/L	0.050 U	0.10	0.050	12/29/15 16:25	

LABORATORY CONTROL SAMPLE: 1433690

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	2.5	2.5	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1433691 1433692

Parameter	Units	35222339001		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec			
Lead	mg/L	0.050 U	2.5	2.5	2.5	2.5	103	100	75-125	3	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 09213010.62/Douglas Park
Pace Project No.: 35222352

QC Batch: PMST/4178 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 35222352001, 35222352002, 35222352003, 35222352004, 35222352005

SAMPLE DUPLICATE: 1432967

Parameter	Units	35221973001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.3	10.2	10	10	

SAMPLE DUPLICATE: 1432968

Parameter	Units	35221973011 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.2	4.0	4	10	

SAMPLE DUPLICATE: 1432969

Parameter	Units	35221973020 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	24.6	24.9	1	10	

SAMPLE DUPLICATE: 1432970

Parameter	Units	35222352003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.7	5.7	16	10	J(D6)

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: 09213010.62/Douglas Park
Pace Project No.: 35222352

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
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

U Compound was analyzed for but not detected.
J(D6) Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 09213010.62/Douglas Park
Pace Project No.: 35222352

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35222352001	SB-North (0-1')	EPA 3010	MPRP/28020	EPA 6010	ICP/16858
35222352002	SB-South (0-1')	EPA 3010	MPRP/28020	EPA 6010	ICP/16858
35222352003	SB-West (0-1')	EPA 3010	MPRP/28020	EPA 6010	ICP/16858
35222352004	SB-East (0-1')	EPA 3010	MPRP/28020	EPA 6010	ICP/16858
35222352005	SB-Middle (0-1')	EPA 3010	MPRP/28020	EPA 6010	ICP/16858
35222352001	SB-North (0-1')	ASTM D2974-87	PMST/4178		
35222352002	SB-South (0-1')	ASTM D2974-87	PMST/4178		
35222352003	SB-West (0-1')	ASTM D2974-87	PMST/4178		
35222352004	SB-East (0-1')	ASTM D2974-87	PMST/4178		
35222352005	SB-Middle (0-1')	ASTM D2974-87	PMST/4178		

REPORT OF LABORATORY ANALYSIS

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MO# : 35222352

ical Request Document

ant fields must be completed accurately.



35222352

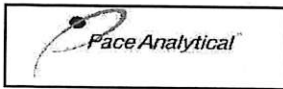
Page: 1 of 1

Section A		Section B	
Required Client Information:		Required Project Information:	
Company:	SCS Engineers	Report To:	Brittney Odum
Address:	7700 North Kendall Drive, Ste 300 Miami, FL 33156	Copy To:	Eddy Smith
Email To:	bodom@scsenigneers.com	Purchase Order No.:	TBD
Phone:	954-253-4442	Fax:	
Requested Due Date/TAT:	Standard	Project Name:	Douglas Park
		Project Number:	09213010.62
Invoice Information:		REGULATORY AGENCY	
Attention:	Brittney Odum	Company Name:	SCS Engineers
Address:	7700 N. Kendall Drive, MIA, FL 33156	Address:	7700 N. Kendall Drive, MIA, FL 33156
Reference:	Pace Quote	Pace Project Manager:	Christina Raschke
Pace Profile #:	72523	Requested Analysis Filtered (Y/N)	
Site Location STATE:		NPDES	<input type="checkbox"/>
		GROUND WATER	<input type="checkbox"/>
		DRINKING WATER	<input type="checkbox"/>
		UST	<input type="checkbox"/>
		RCRA	<input type="checkbox"/>
		OTHER	<input type="checkbox"/>

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./Lab I.D.		
											MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)
1	SB-North (0-1')	SL G	12/21 19:10	1	1		X					
2	SB-South (0-1')	SL G	12/21 15:24	1	1		X					
3	SB-West (0-1')	SL G	12/21 13:53	1	1		X					
4	SB-East (0-1')	SL C	12/21 14:25	1	1		X					
5	SB-Middle (0-1')	SL C	12/21 14:55	1	1		X					
6												
7												
8												
9												
10												
11												
12												

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS	
		[Signature]		12/21/15		12:30		[Signature]		12/21/15		12:30			
		[Signature]		12/21/15		14:55		[Signature]		12/21/15		14:55			
SAMPLER NAME AND SIGNATURE		PRINT Name of SAMPLER:		DATE Signed (MM/DD/YY):		Temp in °C		Received on Ice (Y/N)		Custody Sealed Cooler (Y/N)		Samples Intact (Y/N)			
[Signature]		Bonnie Barabara / SCS		12/22/15		64									

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.



Document Name:
Sample Condition Upon Receipt Form
Document No.:
F-FL-C-007 rev. 05

Document Revised:
October 9, 2013
Issuing Authorities:
Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

WO# : 35222352

Client Name: SLS Eng. PI

PM: CTR
Due Date: 12/29/15
CLIENT: 36-ESCON

Courier: Fed Ex UPS USPS Client Commercial Pace

Tracking # _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used PBW Type of Ice: Wet Blue None

Cooler Temperature 5.4 (Visual) +0.2 (Correction Factor) 5.6 (Actual)

Date and Initials of person examining contents: SLS 12/29/15

(Temp should be above freezing to 6°C). If below 0°C, then was sample frozen?

Yes No

Receipt of samples satisfactory: Yes No

Rush TAT requested on COC: _____

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"/>
Relinquished Signature & Sampler Name COC	<input type="checkbox"/>
Samples Arrived within Hold Time	<input type="checkbox"/>
Sufficient Volume	<input type="checkbox"/>
Correct Containers Used	<input type="checkbox"/>
Containers Intact	<input type="checkbox"/>
Sample Labels match COC (sample IDs & date/time of collection)	<input type="checkbox"/>
	No Labels: <input type="checkbox"/> No Time/Date on Labels: <input type="checkbox"/>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/>
No Headspace in VOA Vials (>6mm):	<input type="checkbox"/>

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments):

Project Manager Review: _____ Date: _____

Finished Product Information Only	
F.P. Sample ID: _____	Size & Qty of Bottles Received
Production Code: _____	_____ x 5 Gal
Date/Time Opened: _____	_____ x 2.5 Gal
Number of Unopened Bottles Remaining: _____	_____ x 1 Gal
	_____ x 1 Liter
	_____ x 500 mL
	_____ x 250 mL
	_____ x Other: _____
Extra Sample in Shed: Yes No	