

Pace Analytical Services, LLC 110 South Bayview Blvd. Oldsmar , FL 34677 (813)881-9401

September 13, 2018

Carey Maxwell SJRWMD PO Box 1429 Palatka, FL 32178

RE: Project: Paint Chips Pace Project No.: 35414290

Dear Carey Maxwell:

Enclosed are the analytical results for sample(s) received by the laboratory on August 29, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC 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,

aniel Barrett

Daniel Barrett daniel.barrett@pacelabs.com (813)881-9401 Project Manager

Enclosures

cc: Carey Maxwell, SJRWMD





Pace Analytical Services, LLC 110 South Bayview Blvd. Oldsmar , FL 34677 (813)881-9401

CERTIFICATIONS

| Project: | Paint Chips |
|-------------------|-------------|
| Pace Project No.: | 35414290 |

| Ormond Beach Certification IDs | |
|---|---|
| 8 East Tower Circle, Ormond Beach, FL 32174 | Nevada Certification: FL NELAC Reciprocity |
| Alabama Certification #: 41320 | New Hampshire Certification #: 2958 |
| Connecticut Certification #: PH-0216 | New Jersey Certification #: FL022 |
| Florida Certification #: E83079 | New York Certification #: 11608 |
| Georgia Certification #: 955 | North Carolina Environmental Certificate #: 667 |
| Guam Certification: FL NELAC Reciprocity | North Carolina Certification #: 12710 |
| Hawaii Certification: FL NELAC Reciprocity | North Dakota Certification #: R-216 |
| Illinois Certification #: 200068 | Oklahoma Certification #: D9947 |
| Indiana Certification: FL NELAC Reciprocity | Pennsylvania Certification #: 68-00547 |
| Kansas Certification #: E-10383 | Puerto Rico Certification #: FL01264 |
| Kentucky Certification #: 90050 | South Carolina Certification: #96042001 |
| Louisiana Certification #: FL NELAC Reciprocity | Tennessee Certification #: TN02974 |
| Louisiana Environmental Certificate #: 05007 | Texas Certification: FL NELAC Reciprocity |
| Maryland Certification: #346 | US Virgin Islands Certification: FL NELAC Reciprocity |
| Michigan Certification #: 9911 | Virginia Environmental Certification #: 460165 |
| Mississippi Certification: FL NELAC Reciprocity | Wyoming Certification: FL NELAC Reciprocity |
| Missouri Certification #: 236 | West Virginia Certification #: 9962C |
| Montana Certification #: Cert 0074 | Wisconsin Certification #: 399079670 |
| Nebraska Certification: NE-OS-28-14 | Wyoming (EPA Region 8): FL NELAC Reciprocity |



SAMPLE SUMMARY

| Project: Pace Project No | Paint Chips b.: 35414290 | | | |
|-----------------------------|-----------------------------|--------|----------------|----------------|
| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
| 35414290001 | Palm S096 | Solid | 08/29/18 12:20 | 08/29/18 14:06 |



SAMPLE ANALYTE COUNT

| Project: | Paint Chips |
|-------------------|-------------|
| Pace Project No.: | 35414290 |

| Lab ID | Sample ID | Method | Analytes Analysts Reported | |
|-------------|-----------|---------------|-------------------------------|---|
| 35414290001 | Palm S096 | EPA 6010 | LEC | 1 |
| | | EPA 6010 | SC1 | 1 |
| | | ASTM D2974-87 | MLO | 1 |



ANALYTICAL RESULTS

Project: Paint Chips

Pace Project No.: 35414290

| Sample: Palm S096 | Lab ID: | 35414290001 | Collected | d: 08/29/18 | 3 12:20 | Received: 08/ | 29/18 14:06 Ma | atrix: Solid | |
|------------------------------|--------------------------|------------------------------|----------------------------|-----------------------------|-------------------|-------------------------------|----------------|--------------|------|
| Results reported on a "dry w | eight" basis and are | adjusted for | r percent mo | oisture, sar | nple s | ize and any diluti | ons. | | |
| Parameters | Results | Units | PQL | MDL | DF | Prepared | Analyzed | CAS No. | Qual |
| 6010 MET ICP | Analytical | Method: EPA | 6010 Prepai | ration Meth | od: EP | A 3050 | | | |
| Lead | 660 | mg/kg | 10 | 5.0 | 10 | 09/06/18 09:42 | 09/06/18 16:15 | 7439-92-1 | |
| 6010 MET ICP, TCLP | Analytical Leachate I | Method: EPA /lethod/Date: | 6010 Prepai EPA 1311; 0 | ration Meth 9/11/18 18:0 | od: EP 09 Init | A 3010 ial pH: 5; Final pH | : 5 | | |
| Lead | 0.38 | mg/L | 0.010 | 0.0046 | 1 | 09/12/18 15:00 | 09/13/18 10:45 | 7439-92-1 | |
| Percent Moisture | Analytical | Method: AST | M D2974-87 | | | | | | |
| Percent Moisture | 1.4 | % | 0.10 | 0.10 | 1 | | 08/31/18 09:54 | | |



QUALITY CONTROL DATA

| Project: | Paint Chips | | | | | | | | | | | | | |
|---------------------|-------------|-----------|------------|--------|--------------|----------|-----------|--------|-----------|------|---------|----------|-----|------|
| Pace Project No.: | 35414290 | | | | | | | | | | | | | |
| QC Batch: | 474718 | | | Analys | is Method: | E | PA 6010 | | | | | | | |
| QC Batch Method: | EPA 3050 | | | Analys | is Descript | ion: 6 | 010 MET S | olid | | | | | | |
| Associated Lab Samp | oles: 354 | 14290001 | | | | | | | | | | | | |
| METHOD BLANK: | 2568939 | | | N | latrix: Soli | id | | | | | | | | |
| Associated Lab Samp | oles: 354 | 14290001 | | | | | | | | | | | | |
| | | | | Blank | R | eporting | | | | | | | | |
| Parame | eter | | Units | Resul | t | Limit | MDL | · · | Analyze | d | Qua | alifiers | | |
| Lead | | | mg/kg | 0.3 | 30 U | 0.60 | | 0.30 0 | 9/06/18 1 | 3:38 | | | | |
| LABORATORY CON | TROL SAM | PLE: 2568 | 940 | | | | | | | | | | | |
| _ | | | | Spike | LCS | 5 | LCS | % R | lec | _ | | | | |
| Parame | eter | | Units | Conc. | Resu | llt | % Rec | Lim | its | Qua | lifiers | - | | |
| Lead | | | mg/kg | 15 | | 15.4 | 103 | | 80-120 | | | | | |
| MATRIX SPIKE & MA | | E DUPLICA | TE: 256894 | 41 | | 2568942 | | | | | | | | |
| | | | | MS | MSD | | | | | | | | | |
| | | 35 | 412544001 | Spike | Spike | MS | MSD | MS | MSE |) | % Rec | | Max | |
| Parameter | | Units | Result | Conc. | Conc. | Result | Result | % Rec | % Re | C | Limits | RPD | RPD | Qual |
| Lead | | mg/kg | 24.7 U | 1240 | 1280 | 1280 | 1300 | 10 | 1 1 | 00 | 75-125 | 2 | 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.



QUALITY CONTROL DATA

| Project: | Paint Chips | 5 | | | | | | | | | | | |
|--------------------|-------------|--------------|-----------------------|-----------------|-------------|-------------------|---------------|-----------------|--------------|-----------|----------|-----|------|
| Pace Project No.: | 35414290 | | | | | | | | | | | | |
| QC Batch: | 476847 | | | Analysis | Method: | E | PA 6010 | | | | | | |
| QC Batch Method: | EPA 3010 | 1 | | Analysis | Descript | ion: 6 | 010 MET TC | LP | | | | | |
| Associated Lab San | nples: 354 | 14290001 | | | | | | | | | | | |
| METHOD BLANK: | 2579017 | | | Ма | trix: Wat | er | | | | | | | |
| Associated Lab San | nples: 354 | 14290001 | | | | | | | | | | | |
| Paran | neter | | Units | Blank Result | R | eporting Limit | MDL | / | Analyzed | Qua | alifiers | | |
| Lead | | | mg/L | 0.009 | 31 | 0.010 | 0.0 | 0046 09/ | 13/18 10:19 | 9 | | | |
| LABORATORY COM | NTROL SAM | PLE: 258 | 32435 | | | | | | | | | | |
| Paran | neter | | Units | Spike Conc | LCS Resu | lt | LCS % Rec | % Red Limits | ; Qi | ualifiers | | | |
| Lead | | | mg/L | 2.5 | 1000 | 2.5 | 98 | 80 | -120 | | - | | |
| MATRIX SPIKE & M | IATRIX SPIK | | ATE: 258243 | 36 | | 2582437 | | | | | | | |
| | | | | MS | MSD | | | | | | | | |
| Paramata | r | 3 L Inite | 35412890001 Rocult | Spike | Spike | MS Bosult | MSD Bosult | MS % Roc | MSD % Roc | % Rec | חסס | Max | Qual |
| | ;1 | Units | | | | | | 70 Rec | -70 Rec | | KPD | | Qual |
| Lead | | mg/L | 0.0071 l | 2.5 | 2.5 | 2.4 | 2.4 | 97 | 96 | 75-125 | 1 | 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.



QUALITY CONTROL DATA

| Project: Paint Chips | | | | | | | |
|------------------------------------|-------|---------------|-----------|--------------------|----------|---------------|--|
| Pace Project No.: 35414290 | | | | | | | |
| QC Batch: 473852 | | Analysis Meth | iod: | ASTM D2974-87 | | | |
| QC Batch Method: ASTM D2974-87 | | Analysis Desc | cription: | Dry Weight/Percent | Moisture | | |
| Associated Lab Samples: 3541429000 | 1 | | | | | | |
| SAMPLE DUPLICATE: 2563190 | | | | | | | |
| | | 35414414001 | Dup | | Max | | |
| Parameter | Units | Result | Result | RPD | RPD | Qualifiers | |
| Percent Moisture | % | 14.6 | 16. | 3 11 | | 5 J(D6) | |
| SAMPLE DUPLICATE: 2563191 | | | | | | | |
| _ | | 35414449005 | Dup | | Max | | |
| Parameter | Units | Result | Result | RPD | RPD | Qualifiers | |
| Percent Moisture | % | 23.0 | 23. | 4 2 | | 5 | |
| SAMPLE DUPLICATE: 2563192 | | | | | | | |
| | | 35414347001 | Dup | | Max | | |
| Parameter | Units | Result | Result | RPD | RPD | Qualifiers | |
| Percent Moisture | % | 10.2 | 10. | 4 2 | | 5 | |
| SAMPLE DUPLICATE: 2563193 | | | | | | | |
| _ | | 35414518003 | Dup | | Max | | |
| Parameter | Units | Result | Result | RPD | RPD | Qualifiers | |
| Percent Moisture | % | 12.1 | 12. | 8 6 | | 5 J(D6) | |
| SAMPLE DUPLICATE: 2563194 | | | | | | | |
| - | | 35414333002 | Dup | | Max | A 11/1 | |
| Parameter | Units | Result | Result | RPD | RPD | Qualifiers | |
| Percent Moisture | % | 18.4 | 18. | 9 3 | | 5 | |

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.



QUALIFIERS

| Project: | Paint Chips |
|-------------------|-------------|
| Pace Project No.: | 35414290 |

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.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

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.

SAMPLE QUALIFIERS

Sample: 35414290001

[1] Insufficient sample received from client to perform the analysis per EPA method requirements.

ANALYTE QUALIFIERS

- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- 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.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project:Paint ChipsPace Project No.:35414290

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------|-----------------|----------|-------------------|---------------------|
| 35414290001 | Palm S096 | EPA 3050 | 474718 | EPA 6010 | 475175 |
| 35414290001 | Palm S096 | EPA 3010 | 476847 | EPA 6010 | 476924 |
| 35414290001 | Palm S096 | ASTM D2974-87 | 473852 | | |

| WO#: 35414290 CHAIN-OF-CUSTO |
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| | WO#: 35414 | 290 | |
| Project # Project Manager: Client: | PM: DB1 Due I CLIENT: 37-SJRWMD | Date: 09/06/18 | Date and Initials of person: Examining contents: Label: Deliver: pH: |
| Thermometer Used: 130 | 57 Date: 8/291 | 18 Time: 14 | UsInitials:D |
| State of Origin: Cooler #1 Temp.°C 22, 3 (Visu Cooler #2 Temp.°C (Visu Cooler #3 Temp.°C (Visu Cooler #4 Temp.°C (Visu Cooler #5 Temp.°C (Visu Cooler #6 Temp.°C (Visu Cooler #6 Temp.°C (Visu Courier: Fed Ex Shipping Method: First Overn Other Billing: Recipient Tracking # Custody Seal on Cooler/Box Prese | al)(Correction Factor) | MV projects, all containers verified 231 (Actual) (Actual) | ied to ≤6 °C Samples on ice, cooling process has begun Other |
| Packing Material: Bubble Wrap | Bubble Bags ZNone C | Other Short | ed Time: Qty: |
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| Chain of Custody Present | | A Comments. | |
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| checked. | □Yes □ No ZN/ | A Preservative | · |
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| Exceptions: VOA, Colifo | rm, TOC, O&G, Carbamates | Initials: | |
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| Comments/ Resolution (use back f | or additional comments): | | |
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| Project Manager Review: | | | Date: |