

PHASE II ENVIRONMENTAL **SITE ASSESSMENT REPORT**

CONDUCTED FOR:

APPROXIMATE 21.42 ACRE TRACT
7780 LIGHTARD KNOTT LANE
FORT MYERS, LEE COUNTY, FLORIDA

PREPARED FOR:

750 E McMillan, LLC
2002 East 4th Avenue
Tampa, Florida 33605

27 January 2022

YPC Project No. 21EY856



YPC Consulting Group, PL
5931 Country Lakes Drive
Fort Myers, Florida 33905
Phone (239) 693-7700
Fax (239) 690-0271

EXECUTIVE SUMMARY

This document is to provide a Phase II ESA Report for the Approximate 21.42 Acre Tract project. The property is proposed for development and is located at 7780 Lightard Knott Lane in Fort Myers, Lee County, Florida. The property is comprised of approximately 21.42 acres lying within Section 23 of Township 44 South and Range 25 East.

The property consists of four parcels with four residences and pasture land. A plant nursery was also located on the property as well as a garage for equipment. The property was bordered to the north by vacant vegetated to wooded land and a pond; to the east by vegetated land and two lakes; to the south by State Road 82 and vacant wooded land; and, to the west by vegetated land.

YPC has performed a Phase I ESA in conformance with the scope and limitations of ASTM Designation: E 1527-13 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" for the property described in that report. YPC has determined through the course of this Phase I ESA that four RECs were present on the property or from adjoining properties that may have impacted the property at that time. These four RECs were REC 1) the use of the property (except the southwest portion) as a gladiolus farm indicating the application of pesticides/herbicides. This is a historical REC. REC 2) the use of the northern portion of the parcel containing House #4 as a plant nursery indicating the application of pesticides/herbicides. REC 3) is the apparent petroleum product stained soil observed in the area of the garage on the parcel with House #1. REC 4) is the cattle pens where pesticides are typically applied to livestock.

On 4 and 5 January 2022 YPC conducted soil sampling at the site. Soil samples SS-1 and SS-2 were collected from the area of the nursery. Soil samples SS-3 and SS-4 were collected from the cattle pens. Soil samples SS-5 thru SS-7 were collected from the former gladiolus farm fields. Soil samples SS-8 thru SS-10 were collected from within and to the east of the garage.

Soil samples were delivered to PACE Analytical Services for analysis. Laboratory analyses for soil samples SS-1 and SS-2 were for chlorinated pesticides by EPA Method 8081, organophosphorus pesticides by EPA Method 8141, organochlorine herbicides by EPA Method 8151, and for the 8 RCRA metals. Laboratory analysis for soil samples SS-3 and SS-4 were for chlorinated pesticides by EPA Method 8081, organophosphorus pesticides by EPA Method 8141, and for the metal arsenic. Laboratory analysis for soil samples SS-5 thru SS-7 were for chlorinated pesticides by EPA Method 8081, organophosphorus pesticides by EPA Method 8141, organochlorine herbicides by EPA Method 8151, and for the 8 RCRA metals, except for SS-7 which was analyzed for chlorinated pesticides by EPA Method 8081 and for the 8 RCRA metals. Laboratory analysis for soil samples SS-8 thru SS-10 were

for the used oil group constituents as defined in Chapter 62-780.900 Table D "Contaminated Site Cleanup Criteria" of the Florida Administrative Code including chlorinated pesticides by EPA Method 8081, volatile organic compounds by EPA Method 8260, semi-volatile organic compounds by EPA Method 8270, poly chlorinated biphenyls (PCBs) by EPA Method 8082, petroleum range organics by FL-PRO Method, and for the metals arsenic, cadmium, chromium, and lead.

Soil samples SS-1 and SS-2 from the plant nursery contained several of the 8 RCRA metals and several of the chlorinated pesticides. Concentrations of these constituents were well below the Soil Cleanup Target Levels (SCTLs) established in Chapter 62-777 "Contaminant Cleanup Target Levels" of the Florida Administrative Code (F.A.C.).

Soil samples SS-3 and SS-4 from the cattle pens contained arsenic (SS-4) and the chlorinated pesticide 4'4-DDE (SS-4) in low concentrations. These concentrations were below the SCTLs.

Soil samples SS-5, SS-6, and SS-7 from the former gladiolus farm fields contained several of the 8 RCRA Metals and chlorinated pesticides (SS-5) in low concentrations. These concentrations were well below the SCTLs.

Soil samples SS-8, SS-9, and SS-10 from in (SS-9) and near the garage and areas of used oil stains contained several of the 8 RCRA metals and chlorinated pesticides in low concentrations. These concentrations were well below the SCTLs, except for arsenic in soil sample SS-9. Arsenic was detected in soil sample SS-9 at a concentration of 3.9 milligrams per kilogram (mg/kg). The SCTLs for arsenic are 2.1 mg/kg for a residential scenario and 12 mg/kg for a commercial/industrial scenario. Therefore, there is an exceedance for arsenic in soil sample SS-9 collected from within the garage. It should be noted that there is about 6 inches of recovered asphalt in the garage according to the property owner. This is the likely source of the arsenic.

The soil cleanup target levels (SCTLs) per Chapter 62-777 "Contaminant Cleanup Target Levels" of the Florida Administrative Code (F.A.C.) are utilized for comparative purposes. None of the laboratory analyzed constituents were detected in concentrations that exceeded the SCTLs except for arsenic in soil sample SS-9. Arsenic was detected in soil sample SS-9 at a concentration of 3.9 mg/kg and the SCTL for arsenic in a residential scenario is 2.1 mg/kg.

Based on the laboratory analysis of the soil samples collected at the site, no further assessment or remediation of the property appears warranted at this time, except for the area within the garage with the slight exceedance for arsenic. Should this area be developed for commercial purposes no further assessment is warranted. However, should this area be

developed for residential purposes, the recycled asphalt should be removed from the property and properly disposed. This area should then be assessed for arsenic in soil to guide further potential remedial efforts.

TABLE OF CONTENTS

| | |
|---------------------------------------------------------|-----------|
| EXECUTIVE SUMMARY | 2 |
| TABLE OF CONTENTS | 5 |
| 1.0 INTRODUCTION | 6 |
| 1.1 Purpose | 6 |
| 1.2 Site Description and History | 6 |
| 1.3 Scope of Services | 7 |
| 2.0 FIELD ACTIVITIES | 8 |
| 3.0 LABORATORY ANALYSIS | 8 |
| 4.0 LABORATORY RESULTS | 9 |
| 5.0 CONSLUSIONS | 9 |
| 6.0 RECOMMENDATIONS | 10 |
| 7.0 REFERENCES | 10 |
| 8.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL | 10 |
| 9.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL | 10 |

FIGURES

Figure 1 – Site Location Map
Figure 2 – Site Map
Figure 3 – Soil Sample Location Map

APPENDICES

Appendix A – GPS Locations
Appendix B – Photographs
Appendix C – Laboratory Report
Appendix D – Resume

1.0 INTRODUCTION

YPC Consulting Group, P.L. (YPC) is pleased to submit this Phase II Environmental Site Assessment (ESA) Report for the Approximate 21.42 Acre Tract project located at 7780 Lightard Knott Lane in Fort Myers, Lee County, Florida. A Phase II ESA was recommended in a Phase I ESA Report prepared by YPC dated 24 November 2021 (YPC, 2021). Ten soil samples were collected from the property for laboratory analysis.

1.1 Purpose

This document is to provide a Phase II ESA Report for the Approximate 21.42 Acre Tract project. The property is proposed for development and is located at 7780 Lightard Knott Lane in Fort Myers, Lee County, Florida, at the approximate location shown in the Site Location Map included as **Figure 1**. The property is comprised of approximately 21.42 acres lying within Section 23 of Township 44 South and Range 25 East.

The purpose of the Phase II ESA is to determine if contaminants of concern are present at the project site in general accordance with ASTM Designation E 1903-97 "Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process". This guide is intended to provide assistance to users in satisfying the appropriate inquiry element of CERCLA's innocent purchaser defense, as defined in 42 U.S.C. § 9601(35)(B), where a previous assessment satisfying that element identified recognized environmental conditions (RECs). This guide is also intended to assist a user in gathering reliable information about a property's environmental conditions to guide the user's business decisions. However, this guide does not purport to include the level of specificity required of technical standards that govern full characterization of a site's environmental condition. For the property this determination was made based on the results of soil sample collection at the property. Soil samples were laboratory analyzed and these laboratory results form the basis of our recommendations.

1.2 Site Description and History

The property consists of four parcels with four residences and pasture land. A plant nursery was also located on the property as well as a garage for equipment as indicated on **Figure 2**. The property was bordered to the north by vacant vegetated to wooded land and a pond; to the east by vegetated land and two lakes; to the south by State Road 82 and vacant wooded land; and, to the west by vegetated land.

YPC has performed a Phase I ESA in conformance with the scope and limitations of ASTM Designation: E 1527-13 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" for the property described in that report. YPC has

determined through the course of this Phase I ESA that four RECs were present on the property or from adjoining properties that may have impacted the property at that time. These four RECs were REC 1) the use of the property (except the southwest portion) as a gladiolus farm indicating the application of pesticides/herbicides. This is a historical REC. REC 2) the use of the northern portion of the parcel containing House #4 as a plant nursery indicating the application of pesticides/herbicides. REC 3) is the apparent petroleum product stained soil observed in the area of the garage on the parcel with House #1. REC 4) is the cattle pens where pesticides are typically applied to livestock.

Since the property has been utilized for many years as described above and is now proposed for development, collection and laboratory analysis of soil samples for select pesticides and herbicides (including metals), and for used oil constituents, was performed to determine concentrations of these constituents, if present, prior to development. Soil samples were collected from the plant nursery, the cattle pens, the former gladiolus farm fields, and from apparent used oil stains in the area of the garage.

1.3 Scope of Services

The services include the elements listed below:

- Collect 2 soil samples from the plant nursery;
- Laboratory analysis of each soil sample for chlorinated pesticides by EPA Method 8081, organophosphorus pesticides by EPA Method 8141, organochlorine herbicides by EPA Method 8151, and for the 8 RCRA metals;
- Collect 2 soil samples from the cattle pens;
- Laboratory analysis of each soil sample for chlorinated pesticides by EPA Method 8081, organophosphorus pesticides by EPA Method 8141, and for arsenic;
- Collect 3 soil samples from the former gladiolus farm fields;
- Laboratory analysis of each soil sample for chlorinated pesticides by EPA Method 8081, organophosphorus pesticides by EPA Method 8141, organochlorine herbicides by EPA Method 8151, and for the 8 RCRA metals except for soil sample SS-7 which was laboratory analyzed for chlorinated pesticides by EPA Method 8081 and for the 8 RCRA metals;
- Collect 3 soil samples from areas of apparent used oil stained soil in and near the garage;

- Laboratory analysis of each soil sample for used oil group constituents; and,
- Evaluation and preparation of the Phase II ESA Report. Recommendations will be provided as necessary.

The work was conducted by a Florida Licensed Professional Geologist. Soil sampling was performed in general conformance with the field sampling quality assurance protocols established in the Florida Department of Environmental Protection (FDEP) Standard Operating Procedures (SOPs). The selected laboratory is certified by the State of Florida.

2.0 FIELD ACTIVITIES

On 4 and 5 January 2022 YPC conducted soil sampling at the site. Soil samples SS-1 and SS-2 were collected from the area of the nursery. Soil samples SS-3 and SS-4 were collected from the cattle pens. Soil samples SS-5 thru SS-7 were collected from the former gladiolus farm fields. Soil samples SS-8 thru SS-10 were collected from within and to the east of the garage. The locations of the collected samples are indicated on **Figure 3**.

Soil sample locations were also recorded with a hand held GPS. Those locations are shown in **Appendix A**. Soil samples were collected from a depth of 0.5 to 1 foot below land surface with a properly decontaminated stainless steel hand auger except for soil sample SS-9 which was collected 0.5 feet below the recycled asphalt in the garage. Photographs of the soil sample locations for SS-8, SS-9, and SS-10 (used oil stains) are contained in **Appendix B**.

Samples were placed into laboratory supplied glass containers. These containers were placed in a laboratory supplied cooler filled with ice. The samples were delivered to the laboratory within applicable holding times.

3.0 LABORATORY ANALYSIS

Soil samples were delivered to PACE Analytical Services for analysis. Laboratory analyses for soil samples SS-1 and SS-2 were for chlorinated pesticides by EPA Method 8081, organophosphorus pesticides by EPA Method 8141, organochlorine herbicides by EPA Method 8151, and for the 8 RCRA metals. Laboratory analysis for soil samples SS-3 and SS-4 were for chlorinated pesticides by EPA Method 8081, organophosphorus pesticides by EPA Method 8141, and for the metal arsenic. Laboratory analysis for soil samples SS-5 thru SS-7 were for chlorinated pesticides by EPA Method 8081, organophosphorus pesticides by EPA Method 8141, organochlorine herbicides by EPA Method 8151, and for the 8 RCRA metals, except for SS-7 which was analyzed for chlorinated pesticides by EPA Method 8081 and for the 8 RCRA metals. Laboratory analysis for soil samples SS-8 thru SS-10 were

for the used oil group constituents as defined in Chapter 62-780.900 Table D "Contaminated Site Cleanup Criteria" of the Florida Administrative Code including chlorinated pesticides by EPA Method 8081, volatile organic compounds by EPA Method 8260, semi-volatile organic compounds by EPA Method 8270, poly chlorinated biphenyls (PCBs) by EPA Method 8082, petroleum range organics by FL-PRO Method, and for the metals arsenic, cadmium, chromium, and lead. The laboratory report is contained in **Appendix C**.

4.0 LABORATORY RESULTS

Soil samples SS-1 and SS-2 from the plant nursery contained several of the 8 RCRA metals and several of the chlorinated pesticides. Concentrations of these constituents were well below the Soil Cleanup Target Levels (SCTLs) established in Chapter 62-777 "Contaminant Cleanup Target Levels" of the Florida Administrative Code (F.A.C.).

Soil samples SS-3 and SS-4 from the cattle pens contained arsenic (SS-4) and the chlorinated pesticide 4'4-DDE (SS-4) in low concentrations. These concentrations were below the SCTLs.

Soil samples SS-5, SS-6, and SS-7 from the former gladiolus farm fields contained several of the 8 RCRA Metals and chlorinated pesticides (SS-5) in low concentrations. These concentrations were well below the SCTLs.

Soil samples SS-8, SS-9, and SS-10 from in (SS-9) and near the garage and areas of used oil stains contained several of the 8 RCRA metals and chlorinated pesticides in low concentrations. These concentrations were well below the SCTLs, except for arsenic in soil sample SS-9. Arsenic was detected in soil sample SS-9 at a concentration of 3.9 milligrams per kilogram (mg/kg). The SCTLs for arsenic are 2.1 mg/kg for a residential scenario and 12 mg/kg for a commercial/industrial scenario. Therefore, there is an exceedance for arsenic in soil sample SS-9 collected from within the garage. It should be noted that there is about 6 inches of recovered asphalt in the garage according to the property owner. This is the likely source of the arsenic.

5.0 CONCLUSIONS

The soil cleanup target levels (SCTLs) per Chapter 62-777 "Contaminant Cleanup Target Levels" of the Florida Administrative Code (F.A.C.) are utilized for comparative purposes. None of the laboratory analyzed constituents were detected in concentrations that exceeded the SCTLs except for arsenic in soil sample SS-9. Arsenic was detected in soil sample SS-9 at a concentration of 3.9 mg/kg and the SCTL for arsenic in a residential scenario is 2.1 mg/kg.

6.0 RECOMMENDATIONS

Based on the laboratory analysis of the soil samples collected at the site, no further assessment or remediation of the property appears warranted at this time, except for the area within the garage with the slight exceedance for arsenic. Should this area be developed for commercial purposes no further assessment is warranted. However, should this area be developed for residential purposes, the recycled asphalt should be removed from the property and properly disposed. This area should then be assessed for arsenic in soil to guide further potential remedial efforts.

7.0 REFERENCES

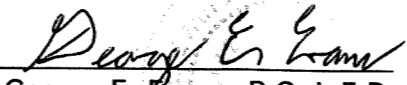
Chapter 62-777 "Contaminant Cleanup Target Levels", Florida Administrative Code.

Chapter 62-780 "Contaminated Site Cleanup Criteria", Florida Administrative Code.

YPC Consulting Group, P.L.; Phase I Environmental Site Assessment Report, Approximate 21.42 Acre Tract, 7780 Lightard Knott Lane, Fort Myers, Lee County, Florida, 24 November 2021.

8.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

The signature appearing below is that of the environmental professional responsible for the preparation, review, and approval of this report. I am a licensed Professional Geologist in the State of Florida, perform geological services in conformance with Chapter 492 "Professional Geology" of the Florida Statutes, and provide my seal for the geological portions of this report.


George E. Evans, P.G., L.E.P.
Date: 1/27/22

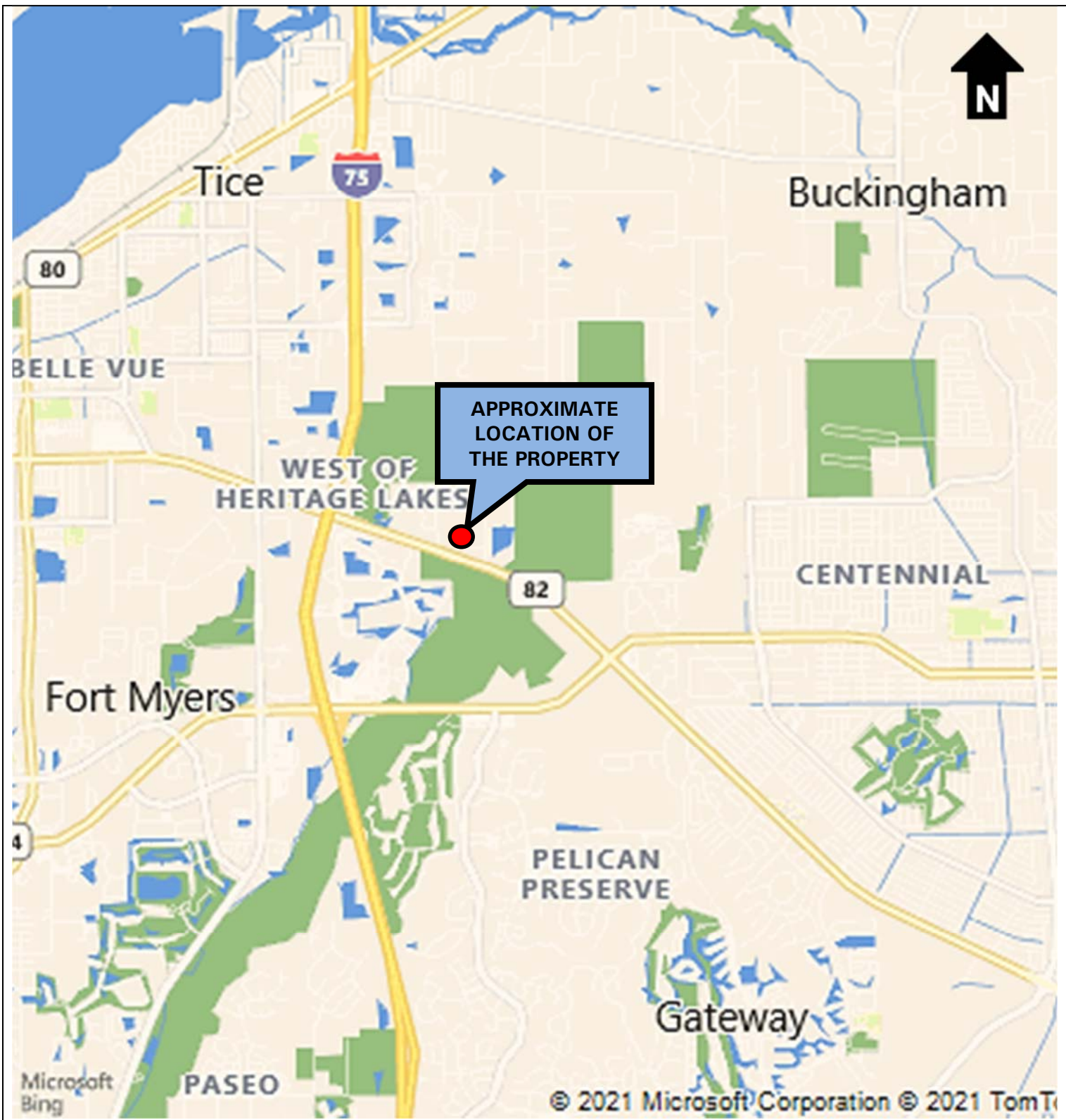
9.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL


The resume of the individual who performed and prepared this Limited Soil Sampling and Laboratory Analysis Report is contained in **Appendix D**.

Phase II Environmental Site Assessment Report
Approximate 21.42 Acre Tract
7780 Lightard Knott Lane
Fort Myers, Lee County, Florida
Project No. 21EY856


YPC Consulting Group, PL
27 January 2022

FIGURES




| | | | |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <p>TITLE</p> <p>Site Location Map</p> | <p>SOURCE</p> <p>Microsoft Corporation</p> | <p>DRAWING FILE NO.</p> <p>21EY856.fg1</p> | <p>FIGURE NO.</p> <p>1</p> |
|  | <p>DATE</p> <p>25 January 2022</p> | <p>Phase II Environmental Site Assessment Report Approximate 21.42 Acre Tract 7780 Lightard Knott Lane Fort Myers, Lee County, Florida Prepared For: 756 E McMillan LLC</p> | |
| | <p>DRAWN BY</p> <p>GE</p> | | |
| | <p>CHECKED BY</p> <p>GE</p> | | |
| | <p>SCALE</p> <p>Not to Scale</p> <p>PROJECT NO.</p> <p>21EY856</p> | | |



| | | | |
|-------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <p>TITLE</p> <p>Site Map – 2021 Aerial Photograph</p> | <p>SOURCE</p> <p>Google Earth Pro Website</p> | <p>DRAWING FILE NO.</p> <p>21EY856.fg2</p> | <p>FIGURE NO.</p> <p>2</p> |
|  | <p>DATE</p> <p>25 January 2022</p> | <p>Phase II Environmental Site Assessment Report Approximate 21.42 Acre Tract 7780 Lightard Knott Lane Fort Myers, Lee County, Florida Prepared For: 750 E McMillan LLC</p> | |
| | <p>DRAWN BY</p> <p>GE</p> | | |
| | <p>CHECKED BY</p> <p>GE</p> | | |
| | <p>SCALE</p> <p>Not to Scale</p> | | |
| | <p>PROJECT NO.</p> <p>21EY856</p> | | |

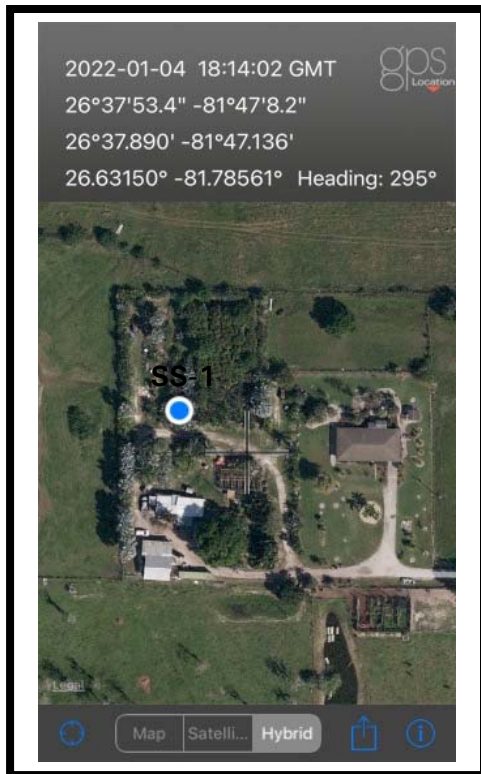


| TITLE | SOURCE | DRAWING FILE NO. | FIGURE NO. |
|-------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Soil Sample Location Map | Google Earth Pro Website | 21EY856.fg3 | 3 |
|  | DATE | Phase II Environmental Site Assessment Report Approximate 21.42 Acre Tract 7780 Lightard Knott Lane Fort Myers, Lee County, Florida Prepared For: 750 E McMillan LLC | |
| | DRAWN BY | | |
| | CHECKED BY | | |
| | SCALE | | |
| | PROJECT NO. | | |
| | 25 January 2022 | | |
| | GE | | |
| | GE | | |
| | Not to Scale | | |
| | 21EY856 | | |

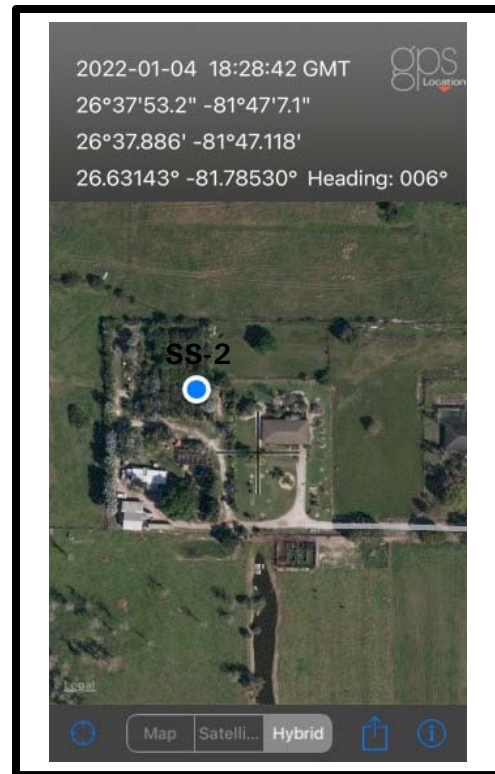
Phase II Environmental Site Assessment Report
Approximate 21.42 Acre Tract
7780 Lightard Knott Lane
Fort Myers, Lee County, Florida
Project No. 21EY856

YPC Consulting Group, PL
27 January 2022

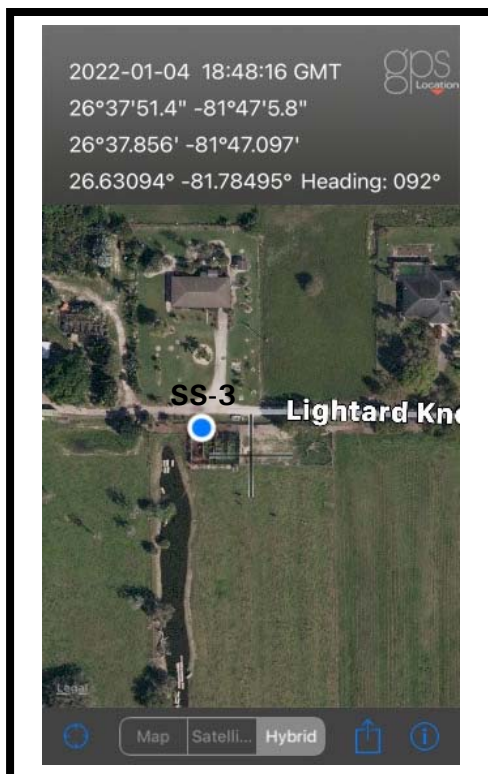
APPENDIX A GPS LOCATIONS



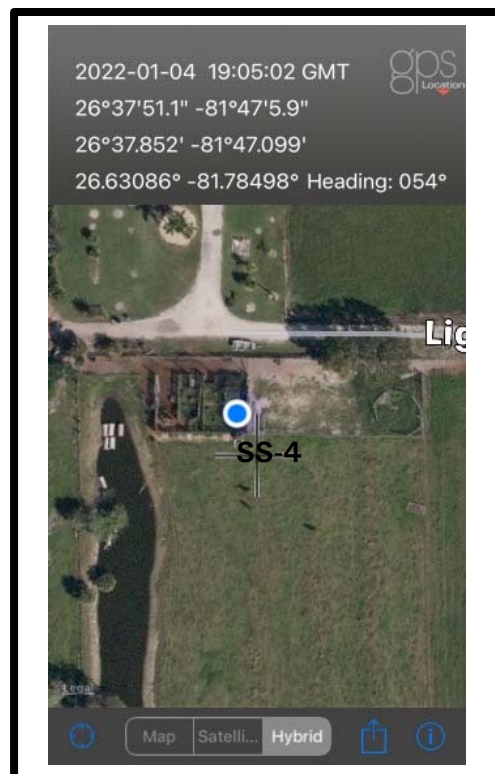
SS-1 Location



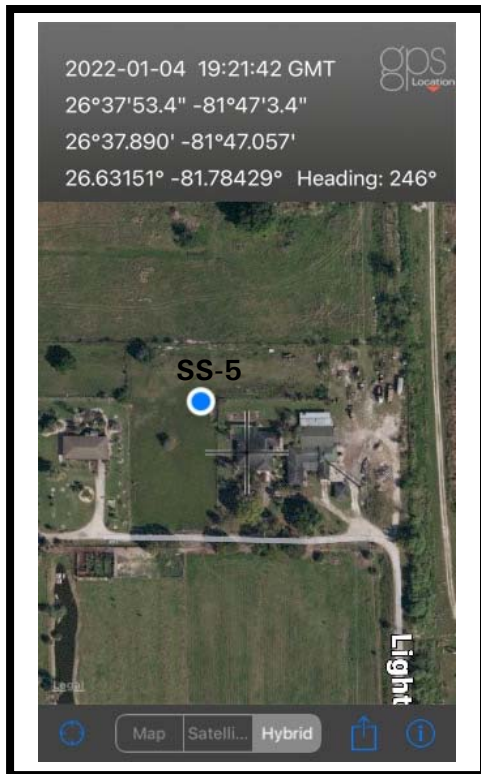
SS-2 Location



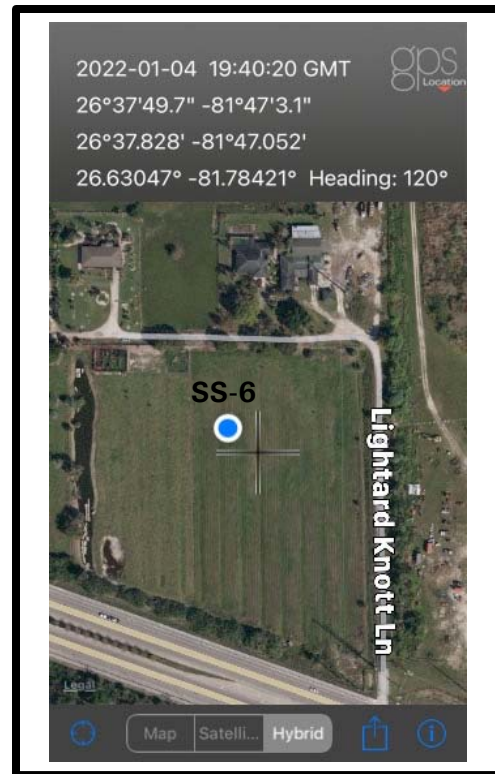
SS-3 Location



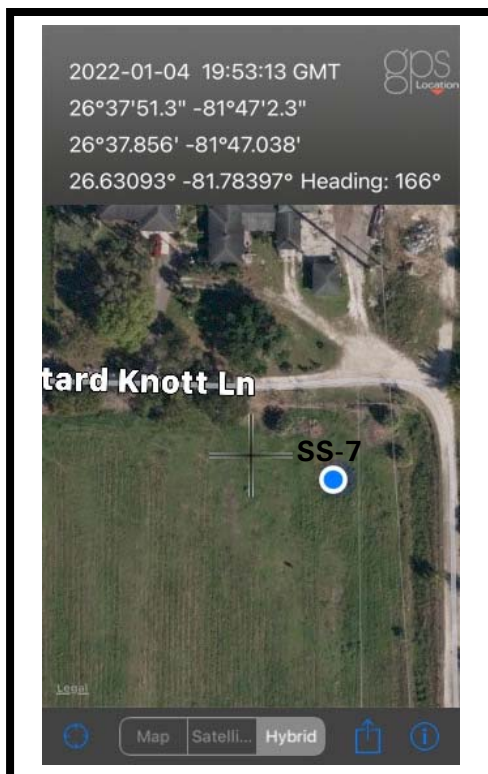
SS-4 Location



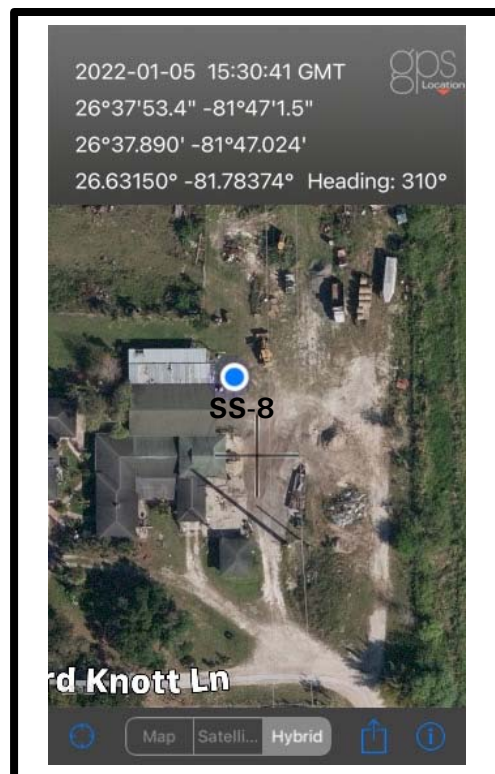
SS-5 Location



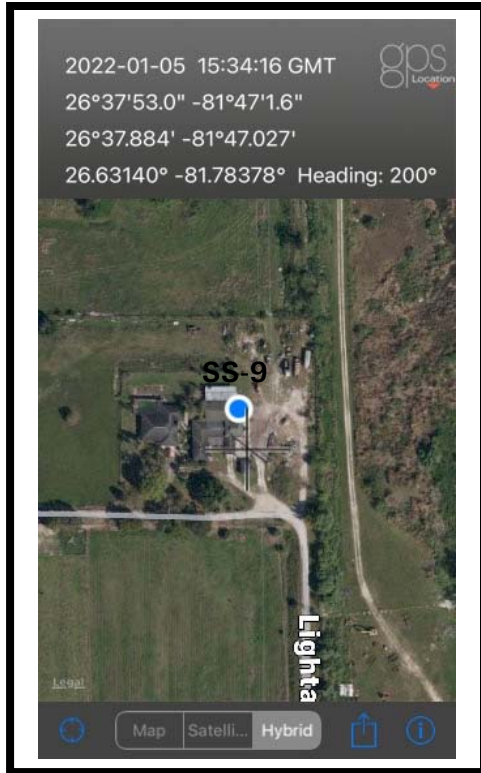
SS-6 Location



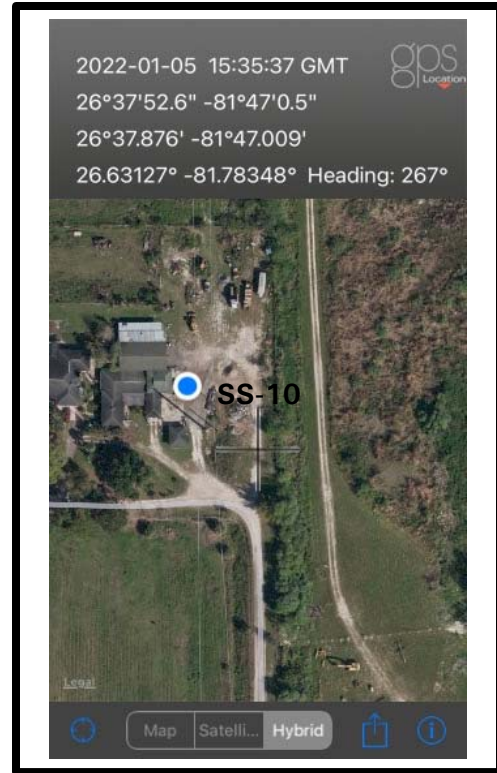
SS-7 Location



SS-8 Location



SS-9 Location



SS-10 Location

Phase II Environmental Site Assessment Report
Approximate 21.42 Acre Tract
7780 Lightard Knott Lane
Fort Myers, Lee County, Florida
Project No. 21EY856

YPC Consulting Group, PL
27 January 2022

APPENDIX B PHOTOGRAPHS



Photo Soil Sample Location SS-8



Photo Soil Sample Location SS-9



Photo Soil Sample Location SS-10

Phase II Environmental Site Assessment Report
Approximate 21.42 Acre Tract
7780 Lightard Knott Lane
Fort Myers, Lee County, Florida
Project No. 21EY856

YPC Consulting Group, PL
27 January 2022

APPENDIX C

LABORATORY REPORT

January 24, 2022

George Evans
YPC Consulting Group
5931 Country Lakes Drive
Suite 3
Fort Myers, FL 33905

RE: Project: 21.42 Acre Test
Pace Project No.: 35688572

Dear George Evans:

Enclosed are the analytical results for sample(s) received by the laboratory on January 06, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Ormond Beach

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

Sincerely,



Lori Palmer
lori.palmer@pacelabs.com
813-855-1844
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Colorado Certification: FL NELAC Reciprocity
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
Maine Certification #: FL01264
Maryland Certification: #346
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236

Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
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

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395

Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LA000356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 21.42 Acre Test

Pace Project No.: 35688572

Pace Analytical Services National

Washington Certification #: C847

West Virginia Certification #: 233

Wisconsin Certification #: 998093910

Wyoming UST Certification #: via A2LA 2926.01

A2LA-ISO 17025 Certification #: 1461.01

A2LA-ISO 17025 Certification #: 1461.02

AIHA-LAP/LLC EMLAP Certification #:100789

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 21.42 Acre Test

Pace Project No.: 35688572

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-----------|--------|----------------|----------------|
| 35688572001 | SS-1 | Solid | 01/04/22 13:05 | 01/06/22 13:22 |
| 35688572002 | SS-2 | Solid | 01/04/22 13:25 | 01/06/22 13:22 |
| 35688572003 | SS-3 | Solid | 01/04/22 13:45 | 01/06/22 13:22 |
| 35688572004 | SS-4 | Solid | 01/04/22 14:00 | 01/06/22 13:22 |
| 35688572005 | SS-5 | Solid | 01/04/22 14:20 | 01/06/22 13:22 |
| 35688572006 | SS-6 | Solid | 01/04/22 14:35 | 01/06/22 13:22 |
| 35688572007 | SS-7 | Solid | 01/04/22 14:50 | 01/06/22 13:22 |
| 35688572008 | SS-8 | Solid | 01/05/22 10:40 | 01/06/22 13:22 |
| 35688572009 | SS-9 | Solid | 01/05/22 11:00 | 01/06/22 13:22 |
| 35688572010 | SS-10 | Solid | 01/05/22 11:25 | 01/06/22 13:22 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 21.42 Acre Test

Pace Project No.: 35688572

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|-----------|---------------|----------|-------------------|------------|
| 35688572001 | SS-1 | EPA 8141 | AO | 27 | PAN |
| | | EPA 8151 | JMB | 11 | PAN |
| | | EPA 8081 | CB1 | 22 | PASI-O |
| | | EPA 6010 | KC2 | 7 | PASI-O |
| | | EPA 7471 | JNK | 1 | PASI-O |
| | | ASTM D2974-87 | NLC | 1 | PASI-O |
| | | SM 2540G | KDW | 1 | PAN |
| | | | | | |
| 35688572002 | SS-2 | EPA 8141 | AO | 27 | PAN |
| | | EPA 8151 | JMB | 11 | PAN |
| | | EPA 8081 | CB1 | 22 | PASI-O |
| | | EPA 6010 | KC2 | 7 | PASI-O |
| | | EPA 7471 | JNK | 1 | PASI-O |
| | | ASTM D2974-87 | NLC | 1 | PASI-O |
| | | SM 2540G | KDW | 1 | PAN |
| | | | | | |
| 35688572003 | SS-3 | EPA 8141 | AO | 27 | PAN |
| | | EPA 8081 | CB1 | 22 | PASI-O |
| | | EPA 6010 | KC2 | 1 | PASI-O |
| | | ASTM D2974-87 | NLC | 1 | PASI-O |
| | | SM 2540G | KDW | 1 | PAN |
| | | | | | |
| 35688572004 | SS-4 | EPA 8141 | AO | 27 | PAN |
| | | EPA 8081 | CB1 | 22 | PASI-O |
| | | EPA 6010 | KC2 | 1 | PASI-O |
| | | ASTM D2974-87 | NLC | 1 | PASI-O |
| | | SM 2540G | KDW | 1 | PAN |
| | | | | | |
| 35688572005 | SS-5 | EPA 8141 | AO | 27 | PAN |
| | | EPA 8151 | JMB | 11 | PAN |
| | | EPA 8081 | CB1 | 22 | PASI-O |
| | | EPA 6010 | KC2 | 7 | PASI-O |
| | | EPA 7471 | JNK | 1 | PASI-O |
| | | ASTM D2974-87 | NLC | 1 | PASI-O |
| | | SM 2540G | KDW | 1 | PAN |
| | | | | | |
| 35688572006 | SS-6 | EPA 8141 | AO | 27 | PAN |
| | | EPA 8151 | JMB | 11 | PAN |
| | | EPA 8081 | CB1 | 22 | PASI-O |
| | | EPA 6010 | KC2 | 7 | PASI-O |
| | | EPA 7471 | JNK | 1 | PASI-O |
| | | ASTM D2974-87 | NLC | 1 | PASI-O |
| | | | | | |

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SAMPLE ANALYTE COUNT

Project: 21.42 Acre Test

Pace Project No.: 35688572

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|-------------|-----------|---------------|----------|-------------------|------------|
| 35688572007 | SS-7 | SM 2540G | KDW | 1 | PAN |
| | | EPA 8081 | CB1 | 22 | PASI-O |
| | | EPA 6010 | KC2 | 7 | PASI-O |
| | | EPA 7471 | JNK | 1 | PASI-O |
| 35688572008 | SS-8 | ASTM D2974-87 | NLC | 1 | PASI-O |
| | | EPA 8081 | BLM | 22 | PASI-O |
| | | EPA 8082 | CB1 | 9 | PASI-O |
| | | FL-PRO | PKC | 3 | PASI-O |
| | | EPA 6010 | EMG | 4 | PASI-O |
| | | EPA 8270 | TWB | 58 | PASI-O |
| | | EPA 8260 | CLT | 43 | PASI-O |
| | | ASTM D2974-87 | NLC | 1 | PASI-O |
| | | EPA 8081 | BLM | 22 | PASI-O |
| | | EPA 8082 | CB1 | 9 | PASI-O |
| 35688572009 | SS-9 | FL-PRO | PKC | 3 | PASI-O |
| | | EPA 6010 | KC2 | 4 | PASI-O |
| | | EPA 8270 | TWB | 58 | PASI-O |
| | | EPA 8260 | CLT | 43 | PASI-O |
| | | ASTM D2974-87 | NLC | 1 | PASI-O |
| | | EPA 8081 | BLM | 22 | PASI-O |
| | | EPA 8082 | CB1 | 9 | PASI-O |
| | | FL-PRO | PKC | 3 | PASI-O |
| | | EPA 6010 | KC2 | 4 | PASI-O |
| | | EPA 8270 | TWB | 58 | PASI-O |
| 35688572010 | SS-10 | EPA 8260 | CLT | 43 | PASI-O |
| | | ASTM D2974-87 | NLC | 1 | PASI-O |

PAN = Pace National - Mt. Juliet

PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-1 **Lab ID: 35688572001** Collected: 01/04/22 13:05 Received: 01/06/22 13:22 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 |
|---------------------------------------------------------|------------------|-------|----------|---------|----|----------------|----------------|------------|------|
| OP Pesticides 8141 | | | | | | | | | |
| Analytical Method: EPA 8141 Preparation Method: 3546 | | | | | | | | | |
| Pace National - Mt. Juliet | | | | | | | | | |
| Azinphos, methyl (Guthion) | 0.0408 U | mg/kg | 0.128 | 0.0408 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 86-50-0 | Q |
| Bolstar | 0.0191 U | mg/kg | 0.128 | 0.0191 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 35400-43-2 | Q |
| Chlorpyrifos | 0.0201 U | mg/kg | 0.128 | 0.0201 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 2921-88-2 | Q |
| Coumaphos | 0.0312 U | mg/kg | 0.128 | 0.0312 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 56-72-4 | Q |
| Total Demeton | 0.00749 U | mg/kg | 0.0898 | 0.00749 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 8065-48-3 | Q |
| Diazinon | 0.0289 U | mg/kg | 0.128 | 0.0289 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 333-41-5 | Q |
| Dichlorvos | 0.0385 U | mg/kg | 0.128 | 0.0385 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 62-73-7 | Q |
| Dimethoate | 0.0429 U | mg/kg | 0.128 | 0.0429 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 60-51-5 | Q |
| Disulfoton | 0.0326 U | mg/kg | 0.128 | 0.0326 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 298-04-4 | Q |
| EPN (ENT) | 0.0354 U | mg/kg | 0.128 | 0.0354 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 2104-64-5 | Q |
| Ethoprop | 0.0151 U | mg/kg | 0.128 | 0.0151 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 13194-48-4 | Q |
| Parathion (Ethyl parathion) | 0.0210 U | mg/kg | 0.128 | 0.0210 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 56-38-2 | Q |
| Fensulfothion | 0.0453 U | mg/kg | 0.128 | 0.0453 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 115-90-2 | Q |
| Fenthion | 0.0171 U | mg/kg | 0.128 | 0.0171 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 55-38-9 | Q |
| Malathion | 0.0230 U | mg/kg | 0.128 | 0.0230 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 121-75-5 | Q |
| Merphos | 0.0298 U | mg/kg | 0.128 | 0.0298 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 150-50-5 | Q |
| Methyl parathion | 0.0260 U | mg/kg | 0.128 | 0.0260 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 298-00-0 | Q |
| Mevinphos | 0.0295 U | mg/kg | 0.128 | 0.0295 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 7786-34-7 | Q |
| Naled | 0.0616 U | mg/kg | 0.128 | 0.0616 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 300-76-5 | Q |
| Phorate | 0.0269 U | mg/kg | 0.128 | 0.0269 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 298-02-2 | Q |
| Ronnel | 0.0191 U | mg/kg | 0.128 | 0.0191 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 299-84-3 | Q |
| Stirophos (Tetrachlorvinphos) | 0.0228 U | mg/kg | 0.128 | 0.0228 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 22248-79-9 | Q |
| Sulfotepp (Thiodiphosphoric Ac | 0.0127 U | mg/kg | 0.128 | 0.0127 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 3689-24-5 | Q |
| TEPP | 0.201 U | mg/kg | 1.28 | 0.201 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 107-49-3 | Q |
| Tokuthion (Prothiofos) | 0.0192 U | mg/kg | 0.128 | 0.0192 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 34643-46-4 | Q |
| Trichloronate | 0.0258 U | mg/kg | 0.128 | 0.0258 | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 327-98-0 | Q |
| Surrogates | | | | | | | | | |
| Triphenylphosphate (S) | 67.9 | % | 36.0-121 | | 1 | 01/12/22 04:13 | 01/14/22 04:07 | 115-86-6 | |

Chlorinated Herb. (GC) 8151 Analytical Method: EPA 8151 Preparation Method: 8151A
Pace National - Mt. Juliet

| | | | | | | | | | |
|-------------------|------------------|-------|----------|---------|---|----------------|----------------|------------|--|
| 2,4-D | 0.00901 U | mg/kg | 0.0898 | 0.00901 | 1 | 01/12/22 11:01 | 01/17/22 01:19 | 94-75-7 | |
| Dalapon | 0.0145 U | mg/kg | 0.0898 | 0.0145 | 1 | 01/12/22 11:01 | 01/17/22 01:19 | 75-99-0 | |
| 2,4-DB | 0.0381 U | mg/kg | 0.0898 | 0.0381 | 1 | 01/12/22 11:01 | 01/17/22 01:19 | 94-82-6 | |
| Dicamba | 0.0201 U | mg/kg | 0.0898 | 0.0201 | 1 | 01/12/22 11:01 | 01/17/22 01:19 | 1918-00-9 | |
| Dichloroprop | 0.0314 U | mg/kg | 0.0898 | 0.0314 | 1 | 01/12/22 11:01 | 01/17/22 01:19 | 15165-67-0 | |
| Dinoseb | 0.00894 U | mg/kg | 0.0898 | 0.00894 | 1 | 01/12/22 11:01 | 01/17/22 01:19 | 88-85-7 | |
| MCPA | 0.568 U | mg/kg | 8.34 | 0.568 | 1 | 01/12/22 11:01 | 01/17/22 01:19 | 94-74-6 | |
| MCPP | 0.471 U | mg/kg | 8.34 | 0.471 | 1 | 01/12/22 11:01 | 01/17/22 01:19 | 7085-19-0 | |
| 2,4,5-T | 0.0109 U | mg/kg | 0.0898 | 0.0109 | 1 | 01/12/22 11:01 | 01/17/22 01:19 | 93-76-5 | |
| 2,4,5-TP (Silvex) | 0.0137 U | mg/kg | 0.0898 | 0.0137 | 1 | 01/12/22 11:01 | 01/17/22 01:19 | 93-72-1 | |
| Surrogates | | | | | | | | | |
| 2,4-DCAA (S) | 67.1 | % | 22.0-132 | | 1 | 01/12/22 11:01 | 01/17/22 01:19 | 19719-28-9 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-1 **Lab ID: 35688572001** Collected: 01/04/22 13:05 Received: 01/06/22 13:22 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 |
|----------------------------------------------------------|------------|-------|--------|----------|----|----------------|----------------|------------|-------|
| 8081 GCS Pesticides | | | | | | | | | |
| Analytical Method: EPA 8081 Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Aldrin | 0.00020 U | mg/kg | 0.0020 | 0.00020 | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 309-00-2 | |
| alpha-BHC | 0.000053 U | mg/kg | 0.0020 | 0.000053 | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 319-84-6 | |
| beta-BHC | 0.00024 U | mg/kg | 0.0020 | 0.00024 | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 319-85-7 | |
| delta-BHC | 0.00010 U | mg/kg | 0.0020 | 0.00010 | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 319-86-8 | |
| gamma-BHC (Lindane) | 0.000057 U | mg/kg | 0.0020 | 0.000057 | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 58-89-9 | |
| Chlordane (Technical) | 0.023 | mg/kg | 0.020 | 0.0059 | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 57-74-9 | |
| 4,4'-DDD | 0.0031 | mg/kg | 0.0020 | 0.000088 | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 72-54-8 | |
| 4,4'-DDE | 0.012 | mg/kg | 0.0020 | 0.000077 | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 72-55-9 | J(M1) |
| 4,4'-DDT | 0.00062 I | mg/kg | 0.0020 | 0.00011 | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 50-29-3 | |
| Dieldrin | 0.000075 U | mg/kg | 0.0020 | 0.000075 | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 60-57-1 | |
| Endosulfan I | 0.00022 U | mg/kg | 0.0020 | 0.00022 | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 959-98-8 | |
| Endosulfan II | 0.000088 U | mg/kg | 0.0020 | 0.000088 | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 33213-65-9 | |
| Endosulfan sulfate | 0.000077 U | mg/kg | 0.0020 | 0.000077 | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 1031-07-8 | |
| Endrin | 0.000098 U | mg/kg | 0.0020 | 0.000098 | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 72-20-8 | |
| Endrin aldehyde | 0.00029 U | mg/kg | 0.0039 | 0.00029 | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 7421-93-4 | |
| Endrin ketone | 0.000091 U | mg/kg | 0.0020 | 0.000091 | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 53494-70-5 | |
| Heptachlor | 0.00021 U | mg/kg | 0.0020 | 0.00021 | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 76-44-8 | |
| Heptachlor epoxide | 0.000084 U | mg/kg | 0.0020 | 0.000084 | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 1024-57-3 | |
| Methoxychlor | 0.00029 U | mg/kg | 0.0020 | 0.00029 | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 72-43-5 | |
| Toxaphene | 0.0085 U | mg/kg | 0.020 | 0.0085 | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 8001-35-2 | |
| Surrogates | | | | | | | | | |
| Tetrachloro-m-xylene (S) | 77 | % | 53-140 | | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 877-09-8 | |
| Decachlorobiphenyl (S) | 86 | % | 43-157 | | 1 | 01/07/22 22:15 | 01/09/22 18:55 | 2051-24-3 | |

6010 MET ICP

Analytical Method: EPA 6010 Preparation Method: EPA 3050

Pace Analytical Services - Ormond Beach

| | | | | | | | | | |
|----------|---------|-------|-------|-------|---|----------------|----------------|-----------|--|
| Arsenic | 0.29 U | mg/kg | 0.57 | 0.29 | 1 | 01/14/22 21:31 | 01/17/22 17:45 | 7440-38-2 | |
| Barium | 1.2 | mg/kg | 0.57 | 0.096 | 1 | 01/14/22 21:31 | 01/17/22 17:45 | 7440-39-3 | |
| Cadmium | 0.085 | mg/kg | 0.057 | 0.029 | 1 | 01/14/22 21:31 | 01/17/22 17:45 | 7440-43-9 | |
| Chromium | 5.1 | mg/kg | 0.29 | 0.14 | 1 | 01/14/22 21:31 | 01/17/22 17:45 | 7440-47-3 | |
| Lead | 2.6 | mg/kg | 0.57 | 0.29 | 1 | 01/14/22 21:31 | 01/17/22 17:45 | 7439-92-1 | |
| Selenium | 0.43 U | mg/kg | 0.86 | 0.43 | 1 | 01/14/22 21:31 | 01/17/22 17:45 | 7782-49-2 | |
| Silver | 0.063 U | mg/kg | 0.29 | 0.063 | 1 | 01/14/22 21:31 | 01/17/22 17:45 | 7440-22-4 | |

7471 Mercury

Analytical Method: EPA 7471 Preparation Method: EPA 7471

Pace Analytical Services - Ormond Beach

| | | | | | | | | | |
|---------|-------|-------|-------|--------|---|----------------|----------------|-----------|--|
| Mercury | 0.012 | mg/kg | 0.011 | 0.0056 | 1 | 01/18/22 11:44 | 01/20/22 11:25 | 7439-97-6 | |
|---------|-------|-------|-------|--------|---|----------------|----------------|-----------|--|

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test

Pace Project No.: 35688572

Sample: SS-1 **Lab ID: 35688572001** Collected: 01/04/22 13:05 Received: 01/06/22 13:22 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 |
|---------------------------------------------------------------------------------------------------------------------------------|-------------|-------|------|------|----|----------------|----------------|---------|------|
| Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Percent Moisture | 13.9 | % | 0.10 | 0.10 | 1 | | 01/18/22 14:24 | | |
| Total Solids 2540 G-2011 Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet | | | | | | | | | |
| Total Solids | 77.9 | % | | | 1 | 01/13/22 17:19 | 01/13/22 17:29 | | |

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-2 **Lab ID: 35688572002** Collected: 01/04/22 13:25 Received: 01/06/22 13:22 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 |
|----------------------------------------------------------|-----------|-------|----------|---------|----|----------------|----------------|------------|------|
| OP Pesticides 8141 | | | | | | | | | |
| Analytical Method: EPA 8141 Preparation Method: 3546 | | | | | | | | | |
| Pace National - Mt. Juliet | | | | | | | | | |
| Azinphos, methyl (Guthion) | 0.0385 U | mg/kg | 0.121 | 0.0385 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 86-50-0 | Q |
| Bolstar | 0.0180 U | mg/kg | 0.121 | 0.0180 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 35400-43-2 | Q |
| Chlorpyrifos | 0.0190 U | mg/kg | 0.121 | 0.0190 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 2921-88-2 | Q |
| Coumaphos | 0.0294 U | mg/kg | 0.121 | 0.0294 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 56-72-4 | Q |
| Total Demeton | 0.00707 U | mg/kg | 0.0848 | 0.00707 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 8065-48-3 | Q |
| Diazinon | 0.0272 U | mg/kg | 0.121 | 0.0272 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 333-41-5 | Q |
| Dichlorvos | 0.0363 U | mg/kg | 0.121 | 0.0363 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 62-73-7 | Q |
| Dimethoate | 0.0404 U | mg/kg | 0.121 | 0.0404 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 60-51-5 | Q |
| Disulfoton | 0.0308 U | mg/kg | 0.121 | 0.0308 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 298-04-4 | Q |
| EPN (ENT) | 0.0334 U | mg/kg | 0.121 | 0.0334 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 2104-64-5 | Q |
| Ethoprop | 0.0143 U | mg/kg | 0.121 | 0.0143 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 13194-48-4 | Q |
| Parathion (Ethyl parathion) | 0.0199 U | mg/kg | 0.121 | 0.0199 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 56-38-2 | Q |
| Fensulfothion | 0.0427 U | mg/kg | 0.121 | 0.0427 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 115-90-2 | Q |
| Fenthion | 0.0161 U | mg/kg | 0.121 | 0.0161 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 55-38-9 | Q |
| Malathion | 0.0217 U | mg/kg | 0.121 | 0.0217 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 121-75-5 | Q |
| Merphos | 0.0281 U | mg/kg | 0.121 | 0.0281 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 150-50-5 | Q |
| Methyl parathion | 0.0246 U | mg/kg | 0.121 | 0.0246 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 298-00-0 | Q |
| Mevinphos | 0.0278 U | mg/kg | 0.121 | 0.0278 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 7786-34-7 | Q |
| Naled | 0.0581 U | mg/kg | 0.121 | 0.0581 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 300-76-5 | Q |
| Phorate | 0.0254 U | mg/kg | 0.121 | 0.0254 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 298-02-2 | Q |
| Ronnel | 0.0180 U | mg/kg | 0.121 | 0.0180 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 299-84-3 | Q |
| Stirophos (Tetrachlorvinphos) | 0.0216 U | mg/kg | 0.121 | 0.0216 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 22248-79-9 | Q |
| Sulfotepp (Thiodiphosphoric Ac | 0.0119 U | mg/kg | 0.121 | 0.0119 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 3689-24-5 | Q |
| TEPP | 0.190 U | mg/kg | 1.21 | 0.190 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 107-49-3 | Q |
| Tokuthion (Prothiofos) | 0.0182 U | mg/kg | 0.121 | 0.0182 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 34643-46-4 | Q |
| Trichloronate | 0.0243 U | mg/kg | 0.121 | 0.0243 | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 327-98-0 | Q |
| Surrogates | | | | | | | | | |
| Triphenylphosphate (S) | 89.9 | % | 36.0-121 | | 1 | 01/12/22 04:13 | 01/14/22 04:41 | 115-86-6 | |
| Chlorinated Herb. (GC) 8151 | | | | | | | | | |
| Analytical Method: EPA 8151 Preparation Method: 8151A | | | | | | | | | |
| Pace National - Mt. Juliet | | | | | | | | | |
| 2,4-D | 0.00850 U | mg/kg | 0.0848 | 0.00850 | 1 | 01/12/22 11:01 | 01/17/22 01:34 | 94-75-7 | |
| Dalapon | 0.0137 U | mg/kg | 0.0848 | 0.0137 | 1 | 01/12/22 11:01 | 01/17/22 01:34 | 75-99-0 | |
| 2,4-DB | 0.0360 U | mg/kg | 0.0848 | 0.0360 | 1 | 01/12/22 11:01 | 01/17/22 01:34 | 94-82-6 | |
| Dicamba | 0.0190 U | mg/kg | 0.0848 | 0.0190 | 1 | 01/12/22 11:01 | 01/17/22 01:34 | 1918-00-9 | |
| Dichloroprop | 0.0297 U | mg/kg | 0.0848 | 0.0297 | 1 | 01/12/22 11:01 | 01/17/22 01:34 | 15165-67-0 | |
| Dinoseb | 0.00844 U | mg/kg | 0.0848 | 0.00844 | 1 | 01/12/22 11:01 | 01/17/22 01:34 | 88-85-7 | |
| MCPA | 0.536 U | mg/kg | 7.87 | 0.536 | 1 | 01/12/22 11:01 | 01/17/22 01:34 | 94-74-6 | |
| MCP | 0.444 U | mg/kg | 7.87 | 0.444 | 1 | 01/12/22 11:01 | 01/17/22 01:34 | 7085-19-0 | |
| 2,4,5-T | 0.0103 U | mg/kg | 0.0848 | 0.0103 | 1 | 01/12/22 11:01 | 01/17/22 01:34 | 93-76-5 | |
| 2,4,5-TP (Silvex) | 0.0130 U | mg/kg | 0.0848 | 0.0130 | 1 | 01/12/22 11:01 | 01/17/22 01:34 | 93-72-1 | |
| Surrogates | | | | | | | | | |
| 2,4-DCAA (S) | 62.9 | % | 22.0-132 | | 1 | 01/12/22 11:01 | 01/17/22 01:34 | 19719-28-9 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-2 **Lab ID: 35688572002** Collected: 01/04/22 13:25 Received: 01/06/22 13:22 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 |
|-------------------------------------------------------------|-------------------|-------|--------|----------|----|----------------|----------------|------------|------|
| 8081 GCS Pesticides | | | | | | | | | |
| Analytical Method: EPA 8081 Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Aldrin | 0.00019 U | mg/kg | 0.0019 | 0.00019 | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 309-00-2 | |
| alpha-BHC | 0.000052 U | mg/kg | 0.0019 | 0.000052 | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 319-84-6 | |
| beta-BHC | 0.00023 U | mg/kg | 0.0019 | 0.00023 | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 319-85-7 | |
| delta-BHC | 0.000099 U | mg/kg | 0.0019 | 0.000099 | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 319-86-8 | |
| gamma-BHC (Lindane) | 0.000056 U | mg/kg | 0.0019 | 0.000056 | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 58-89-9 | |
| Chlordane (Technical) | 0.014 I | mg/kg | 0.019 | 0.0058 | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 57-74-9 | |
| 4,4'-DDD | 0.00084 I | mg/kg | 0.0019 | 0.000086 | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 72-54-8 | |
| 4,4'-DDE | 0.0029 | mg/kg | 0.0019 | 0.000076 | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 72-55-9 | |
| 4,4'-DDT | 0.00032 I | mg/kg | 0.0019 | 0.00011 | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 50-29-3 | |
| Dieldrin | 0.000074 U | mg/kg | 0.0019 | 0.000074 | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 60-57-1 | |
| Endosulfan I | 0.00022 U | mg/kg | 0.0019 | 0.00022 | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 959-98-8 | |
| Endosulfan II | 0.000086 U | mg/kg | 0.0019 | 0.000086 | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 33213-65-9 | |
| Endosulfan sulfate | 0.000076 U | mg/kg | 0.0019 | 0.000076 | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 1031-07-8 | |
| Endrin | 0.000097 U | mg/kg | 0.0019 | 0.000097 | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 72-20-8 | |
| Endrin aldehyde | 0.00028 U | mg/kg | 0.0039 | 0.00028 | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 7421-93-4 | |
| Endrin ketone | 0.000090 U | mg/kg | 0.0019 | 0.000090 | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 53494-70-5 | |
| Heptachlor | 0.00020 U | mg/kg | 0.0019 | 0.00020 | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 76-44-8 | |
| Heptachlor epoxide | 0.000083 U | mg/kg | 0.0019 | 0.000083 | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 1024-57-3 | |
| Methoxychlor | 0.00028 U | mg/kg | 0.0019 | 0.00028 | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 72-43-5 | |
| Toxaphene | 0.0084 U | mg/kg | 0.019 | 0.0084 | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 8001-35-2 | |
| Surrogates | | | | | | | | | |
| Tetrachloro-m-xylene (S) | 81 | % | 53-140 | | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 877-09-8 | |
| Decachlorobiphenyl (S) | 91 | % | 43-157 | | 1 | 01/07/22 22:15 | 01/09/22 19:34 | 2051-24-3 | |
| 6010 MET ICP | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3050 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Arsenic | 0.97 | mg/kg | 0.68 | 0.34 | 1 | 01/14/22 21:31 | 01/17/22 17:48 | 7440-38-2 | |
| Barium | 1.4 | mg/kg | 0.68 | 0.11 | 1 | 01/14/22 21:31 | 01/17/22 17:48 | 7440-39-3 | |
| Cadmium | 0.19 | mg/kg | 0.068 | 0.034 | 1 | 01/14/22 21:31 | 01/17/22 17:48 | 7440-43-9 | |
| Chromium | 5.5 | mg/kg | 0.34 | 0.17 | 1 | 01/14/22 21:31 | 01/17/22 17:48 | 7440-47-3 | |
| Lead | 3.2 | mg/kg | 0.68 | 0.34 | 1 | 01/14/22 21:31 | 01/17/22 17:48 | 7439-92-1 | |
| Selenium | 0.51 U | mg/kg | 1.0 | 0.51 | 1 | 01/14/22 21:31 | 01/17/22 17:48 | 7782-49-2 | |
| Silver | 0.074 U | mg/kg | 0.34 | 0.074 | 1 | 01/14/22 21:31 | 01/17/22 17:48 | 7440-22-4 | |
| 7471 Mercury | | | | | | | | | |
| Analytical Method: EPA 7471 Preparation Method: EPA 7471 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Mercury | 0.0076 I | mg/kg | 0.011 | 0.0054 | 1 | 01/18/22 11:44 | 01/20/22 11:41 | 7439-97-6 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test

Pace Project No.: 35688572

Sample: SS-2 **Lab ID: 35688572002** Collected: 01/04/22 13:25 Received: 01/06/22 13:22 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 |
|---------------------------------------------------------------------------------------------------------------------------------|-------------|-------|------|------|----|----------------|----------------|---------|------|
| Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Percent Moisture | 13.1 | % | 0.10 | 0.10 | 1 | | 01/18/22 14:24 | | |
| Total Solids 2540 G-2011 Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet | | | | | | | | | |
| Total Solids | 82.6 | % | | | 1 | 01/13/22 17:19 | 01/13/22 17:29 | | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-3 **Lab ID: 35688572003** Collected: 01/04/22 13:45 Received: 01/06/22 13:22 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 |
|------------------------------------------------------|-----------|-------|----------|---------|----|----------------|----------------|------------|------|
| OP Pesticides 8141 | | | | | | | | | |
| Analytical Method: EPA 8141 Preparation Method: 3546 | | | | | | | | | |
| Pace National - Mt. Juliet | | | | | | | | | |
| Azinphos, methyl (Guthion) | 0.0370 U | mg/kg | 0.116 | 0.0370 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 86-50-0 | Q |
| Bolstar | 0.0173 U | mg/kg | 0.116 | 0.0173 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 35400-43-2 | Q |
| Chlorpyrifos | 0.0183 U | mg/kg | 0.116 | 0.0183 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 2921-88-2 | Q |
| Coumaphos | 0.0283 U | mg/kg | 0.116 | 0.0283 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 56-72-4 | Q |
| Total Demeton | 0.00680 U | mg/kg | 0.0815 | 0.00680 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 8065-48-3 | Q |
| Diazinon | 0.0262 U | mg/kg | 0.116 | 0.0262 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 333-41-5 | Q |
| Dichlorvos | 0.0349 U | mg/kg | 0.116 | 0.0349 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 62-73-7 | Q |
| Dimethoate | 0.0389 U | mg/kg | 0.116 | 0.0389 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 60-51-5 | Q |
| Disulfoton | 0.0296 U | mg/kg | 0.116 | 0.0296 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 298-04-4 | Q |
| EPN (ENT) | 0.0321 U | mg/kg | 0.116 | 0.0321 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 2104-64-5 | Q |
| Ethoprop | 0.0137 U | mg/kg | 0.116 | 0.0137 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 13194-48-4 | Q |
| Parathion (Ethyl parathion) | 0.0191 U | mg/kg | 0.116 | 0.0191 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 56-38-2 | Q |
| Fensulfothion | 0.0411 U | mg/kg | 0.116 | 0.0411 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 115-90-2 | Q |
| Fenthion | 0.0155 U | mg/kg | 0.116 | 0.0155 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 55-38-9 | Q |
| Malathion | 0.0208 U | mg/kg | 0.116 | 0.0208 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 121-75-5 | Q |
| Merphos | 0.0270 U | mg/kg | 0.116 | 0.0270 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 150-50-5 | Q |
| Methyl parathion | 0.0236 U | mg/kg | 0.116 | 0.0236 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 298-00-0 | Q |
| Mevinphos | 0.0268 U | mg/kg | 0.116 | 0.0268 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 7786-34-7 | Q |
| Naled | 0.0559 U | mg/kg | 0.116 | 0.0559 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 300-76-5 | Q |
| Phorate | 0.0244 U | mg/kg | 0.116 | 0.0244 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 298-02-2 | Q |
| Ronnel | 0.0173 U | mg/kg | 0.116 | 0.0173 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 299-84-3 | Q |
| Stirophos (Tetrachlorvinphos) | 0.0207 U | mg/kg | 0.116 | 0.0207 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 22248-79-9 | Q |
| Sulfotepp (Thiodiphosphoric Ac | 0.0115 U | mg/kg | 0.116 | 0.0115 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 3689-24-5 | Q |
| TEPP | 0.183 U | mg/kg | 1.16 | 0.183 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 107-49-3 | Q |
| Tokuthion (Prothiofos) | 0.0175 U | mg/kg | 0.116 | 0.0175 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 34643-46-4 | Q |
| Trichloronate | 0.0234 U | mg/kg | 0.116 | 0.0234 | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 327-98-0 | Q |
| Surrogates | | | | | | | | | |
| Triphenylphosphate (S) | 85.1 | % | 36.0-121 | | 1 | 01/12/22 04:13 | 01/14/22 05:15 | 115-86-6 | |

8081 GCS Pesticides

Analytical Method: EPA 8081 Preparation Method: EPA 3546

Pace Analytical Services - Ormond Beach

| | | | | | | | | | |
|-----------------------|------------|-------|--------|----------|---|----------------|----------------|----------|--|
| Aldrin | 0.00018 U | mg/kg | 0.0018 | 0.00018 | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 309-00-2 | |
| alpha-BHC | 0.000049 U | mg/kg | 0.0018 | 0.000049 | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 319-84-6 | |
| beta-BHC | 0.00022 U | mg/kg | 0.0018 | 0.00022 | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 319-85-7 | |
| delta-BHC | 0.000092 U | mg/kg | 0.0018 | 0.000092 | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 319-86-8 | |
| gamma-BHC (Lindane) | 0.000052 U | mg/kg | 0.0018 | 0.000052 | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 58-89-9 | |
| Chlordane (Technical) | 0.0054 U | mg/kg | 0.018 | 0.0054 | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 57-74-9 | |
| 4,4'-DDD | 0.000080 U | mg/kg | 0.0018 | 0.000080 | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 72-54-8 | |
| 4,4'-DDE | 0.000071 U | mg/kg | 0.0018 | 0.000071 | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 72-55-9 | |
| 4,4'-DDT | 0.000099 U | mg/kg | 0.0018 | 0.000099 | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 50-29-3 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-3 **Lab ID: 35688572003** Collected: 01/04/22 13:45 Received: 01/06/22 13:22 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 |
|-----------------------------------------------------------|------------|-------|--------|----------|----|----------------|----------------|------------|------|
| 8081 GCS Pesticides | | | | | | | | | |
| Analytical Method: EPA 8081 Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Dieldrin | 0.000069 U | mg/kg | 0.0018 | 0.000069 | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 60-57-1 | |
| Endosulfan I | 0.00020 U | mg/kg | 0.0018 | 0.00020 | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 959-98-8 | |
| Endosulfan II | 0.000080 U | mg/kg | 0.0018 | 0.000080 | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 33213-65-9 | |
| Endosulfan sulfate | 0.000071 U | mg/kg | 0.0018 | 0.000071 | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 1031-07-8 | |
| Endrin | 0.000090 U | mg/kg | 0.0018 | 0.000090 | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 72-20-8 | |
| Endrin aldehyde | 0.00026 U | mg/kg | 0.0036 | 0.00026 | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 7421-93-4 | |
| Endrin ketone | 0.000083 U | mg/kg | 0.0018 | 0.000083 | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 53494-70-5 | |
| Heptachlor | 0.00019 U | mg/kg | 0.0018 | 0.00019 | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 76-44-8 | |
| Heptachlor epoxide | 0.000077 U | mg/kg | 0.0018 | 0.000077 | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 1024-57-3 | |
| Methoxychlor | 0.00026 U | mg/kg | 0.0018 | 0.00026 | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 72-43-5 | |
| Toxaphene | 0.0078 U | mg/kg | 0.018 | 0.0078 | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 8001-35-2 | |
| Surrogates | | | | | | | | | |
| Tetrachloro-m-xylene (S) | 87 | % | 53-140 | | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 877-09-8 | |
| Decachlorobiphenyl (S) | 98 | % | 43-157 | | 1 | 01/07/22 22:15 | 01/09/22 19:48 | 2051-24-3 | |
| 6010 MET ICP | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3050 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Arsenic | 0.30 U | mg/kg | 0.59 | 0.30 | 1 | 01/14/22 21:31 | 01/17/22 17:52 | 7440-38-2 | |
| Percent Moisture | | | | | | | | | |
| Analytical Method: ASTM D2974-87 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Percent Moisture | 6.7 | % | 0.10 | 0.10 | 1 | | 01/18/22 14:24 | | |
| Total Solids 2540 G-2011 | | | | | | | | | |
| Analytical Method: SM 2540G Preparation Method: SM 2540 G | | | | | | | | | |
| Pace National - Mt. Juliet | | | | | | | | | |
| Total Solids | 85.9 | % | | | 1 | 01/13/22 17:19 | 01/13/22 17:29 | | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-4 **Lab ID: 35688572004** Collected: 01/04/22 14:00 Received: 01/06/22 13:22 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 |
|------------------------------------------------------|-----------|-------|----------|---------|----|----------------|----------------|------------|------|
| OP Pesticides 8141 | | | | | | | | | |
| Analytical Method: EPA 8141 Preparation Method: 3546 | | | | | | | | | |
| Pace National - Mt. Juliet | | | | | | | | | |
| Azinphos, methyl (Guthion) | 0.0384 U | mg/kg | 0.121 | 0.0384 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 86-50-0 | Q |
| Bolstar | 0.0180 U | mg/kg | 0.121 | 0.0180 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 35400-43-2 | Q |
| Chlorpyrifos | 0.0189 U | mg/kg | 0.121 | 0.0189 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 2921-88-2 | Q |
| Coumaphos | 0.0293 U | mg/kg | 0.121 | 0.0293 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 56-72-4 | Q |
| Total Demeton | 0.00705 U | mg/kg | 0.0845 | 0.00705 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 8065-48-3 | Q |
| Diazinon | 0.0272 U | mg/kg | 0.121 | 0.0272 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 333-41-5 | Q |
| Dichlorvos | 0.0362 U | mg/kg | 0.121 | 0.0362 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 62-73-7 | Q |
| Dimethoate | 0.0403 U | mg/kg | 0.121 | 0.0403 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 60-51-5 | Q |
| Disulfoton | 0.0307 U | mg/kg | 0.121 | 0.0307 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 298-04-4 | Q |
| EPN (ENT) | 0.0333 U | mg/kg | 0.121 | 0.0333 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 2104-64-5 | Q |
| Ethoprop | 0.0142 U | mg/kg | 0.121 | 0.0142 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 13194-48-4 | Q |
| Parathion (Ethyl parathion) | 0.0198 U | mg/kg | 0.121 | 0.0198 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 56-38-2 | Q |
| Fensulfothion | 0.0426 U | mg/kg | 0.121 | 0.0426 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 115-90-2 | Q |
| Fenthion | 0.0160 U | mg/kg | 0.121 | 0.0160 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 55-38-9 | Q |
| Malathion | 0.0216 U | mg/kg | 0.121 | 0.0216 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 121-75-5 | Q |
| Merphos | 0.0280 U | mg/kg | 0.121 | 0.0280 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 150-50-5 | Q |
| Methyl parathion | 0.0245 U | mg/kg | 0.121 | 0.0245 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 298-00-0 | Q |
| Mevinphos | 0.0278 U | mg/kg | 0.121 | 0.0278 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 7786-34-7 | Q |
| Naled | 0.0579 U | mg/kg | 0.121 | 0.0579 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 300-76-5 | Q |
| Phorate | 0.0253 U | mg/kg | 0.121 | 0.0253 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 298-02-2 | Q |
| Ronnel | 0.0180 U | mg/kg | 0.121 | 0.0180 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 299-84-3 | Q |
| Stirophos (Tetrachlorvinphos) | 0.0215 U | mg/kg | 0.121 | 0.0215 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 22248-79-9 | Q |
| Sulfotepp (Thiodiphosphoric Ac | 0.0119 U | mg/kg | 0.121 | 0.0119 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 3689-24-5 | Q |
| TEPP | 0.189 U | mg/kg | 1.21 | 0.189 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 107-49-3 | Q |
| Tokuthion (Prothiofos) | 0.0181 U | mg/kg | 0.121 | 0.0181 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 34643-46-4 | Q |
| Trichloronate | 0.0243 U | mg/kg | 0.121 | 0.0243 | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 327-98-0 | Q |
| Surrogates | | | | | | | | | |
| Triphenylphosphate (S) | 94.3 | % | 36.0-121 | | 1 | 01/12/22 04:13 | 01/14/22 05:48 | 115-86-6 | |

8081 GCS Pesticides

Analytical Method: EPA 8081 Preparation Method: EPA 3546

Pace Analytical Services - Ormond Beach

| | | | | | | | | | |
|-----------------------|------------|-------|--------|----------|---|----------------|----------------|----------|----|
| Aldrin | 0.00021 U | mg/kg | 0.0021 | 0.00021 | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 309-00-2 | |
| alpha-BHC | 0.000057 U | mg/kg | 0.0021 | 0.000057 | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 319-84-6 | |
| beta-BHC | 0.00025 U | mg/kg | 0.0021 | 0.00025 | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 319-85-7 | |
| delta-BHC | 0.00011 U | mg/kg | 0.0021 | 0.00011 | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 319-86-8 | |
| gamma-BHC (Lindane) | 0.000060 U | mg/kg | 0.0021 | 0.000060 | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 58-89-9 | |
| Chlordane (Technical) | 0.0063 U | mg/kg | 0.021 | 0.0063 | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 57-74-9 | |
| 4,4'-DDD | 0.000094 U | mg/kg | 0.0021 | 0.000094 | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 72-54-8 | |
| 4,4'-DDE | 0.00054 I | mg/kg | 0.0021 | 0.000083 | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 72-55-9 | C2 |
| 4,4'-DDT | 0.00012 U | mg/kg | 0.0021 | 0.00012 | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 50-29-3 | |
| Dieldrin | 0.000080 U | mg/kg | 0.0021 | 0.000080 | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 60-57-1 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-4 **Lab ID: 35688572004** Collected: 01/04/22 14:00 Received: 01/06/22 13:22 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 |
|-----------------------------------------------------------|-------------------|-------|--------|----------|----|----------------|----------------|------------|------|
| 8081 GCS Pesticides | | | | | | | | | |
| Analytical Method: EPA 8081 Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Endosulfan I | 0.00023 U | mg/kg | 0.0021 | 0.00023 | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 959-98-8 | |
| Endosulfan II | 0.000094 U | mg/kg | 0.0021 | 0.000094 | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 33213-65-9 | |
| Endosulfan sulfate | 0.000083 U | mg/kg | 0.0021 | 0.000083 | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 1031-07-8 | |
| Endrin | 0.00010 U | mg/kg | 0.0021 | 0.00010 | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 72-20-8 | |
| Endrin aldehyde | 0.00031 U | mg/kg | 0.0042 | 0.00031 | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 7421-93-4 | |
| Endrin ketone | 0.000097 U | mg/kg | 0.0021 | 0.000097 | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 53494-70-5 | |
| Heptachlor | 0.00022 U | mg/kg | 0.0021 | 0.00022 | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 76-44-8 | |
| Heptachlor epoxide | 0.000090 U | mg/kg | 0.0021 | 0.000090 | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 1024-57-3 | |
| Methoxychlor | 0.00031 U | mg/kg | 0.0021 | 0.00031 | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 72-43-5 | |
| Toxaphene | 0.0091 U | mg/kg | 0.021 | 0.0091 | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 8001-35-2 | |
| Surrogates | | | | | | | | | |
| Tetrachloro-m-xylene (S) | 81 | % | 53-140 | | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 877-09-8 | |
| Decachlorobiphenyl (S) | 70 | % | 43-157 | | 1 | 01/07/22 22:15 | 01/09/22 20:01 | 2051-24-3 | |
| 6010 MET ICP | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3050 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Arsenic | 2.0 | mg/kg | 0.55 | 0.28 | 1 | 01/14/22 21:31 | 01/17/22 17:55 | 7440-38-2 | |
| Percent Moisture | | | | | | | | | |
| Analytical Method: ASTM D2974-87 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Percent Moisture | 19.1 | % | 0.10 | 0.10 | 1 | | 01/18/22 14:24 | | |
| Total Solids 2540 G-2011 | | | | | | | | | |
| Analytical Method: SM 2540G Preparation Method: SM 2540 G | | | | | | | | | |
| Pace National - Mt. Juliet | | | | | | | | | |
| Total Solids | 82.9 | % | | | 1 | 01/13/22 17:19 | 01/13/22 17:29 | | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-5 **Lab ID: 35688572005** Collected: 01/04/22 14:20 Received: 01/06/22 13:22 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 |
|------------------------------------------------------|------------------|-------|--------|---------|----|----------------|----------------|------------|------|
| OP Pesticides 8141 | | | | | | | | | |
| Analytical Method: EPA 8141 Preparation Method: 3546 | | | | | | | | | |
| Pace National - Mt. Juliet | | | | | | | | | |
| Azinphos, methyl (Guthion) | 0.0356 U | mg/kg | 0.112 | 0.0356 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 86-50-0 | Q |
| Bolstar | 0.0167 U | mg/kg | 0.112 | 0.0167 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 35400-43-2 | Q |
| Chlorpyrifos | 0.0176 U | mg/kg | 0.112 | 0.0176 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 2921-88-2 | Q |
| Coumaphos | 0.0272 U | mg/kg | 0.112 | 0.0272 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 56-72-4 | Q |
| Total Demeton | 0.00654 U | mg/kg | 0.0784 | 0.00654 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 8065-48-3 | Q |
| Diazinon | 0.0252 U | mg/kg | 0.112 | 0.0252 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 333-41-5 | Q |
| Dichlorvos | 0.0336 U | mg/kg | 0.112 | 0.0336 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 62-73-7 | Q |
| Dimethoate | 0.0374 U | mg/kg | 0.112 | 0.0374 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 60-51-5 | Q |
| Disulfoton | 0.0284 U | mg/kg | 0.112 | 0.0284 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 298-04-4 | Q |
| EPN (ENT) | 0.0309 U | mg/kg | 0.112 | 0.0309 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 2104-64-5 | Q |
| Ethoprop | 0.0132 U | mg/kg | 0.112 | 0.0132 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 13194-48-4 | Q |
| Parathion (Ethyl parathion) | 0.0184 U | mg/kg | 0.112 | 0.0184 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 56-38-2 | Q |
| Fensulfothion | 0.0395 U | mg/kg | 0.112 | 0.0395 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 115-90-2 | Q |
| Fenthion | 0.0149 U | mg/kg | 0.112 | 0.0149 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 55-38-9 | Q |
| Malathion | 0.0200 U | mg/kg | 0.112 | 0.0200 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 121-75-5 | Q |
| Merphos | 0.0260 U | mg/kg | 0.112 | 0.0260 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 150-50-5 | Q |
| Methyl parathion | 0.0227 U | mg/kg | 0.112 | 0.0227 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 298-00-0 | Q |
| Mevinphos | 0.0258 U | mg/kg | 0.112 | 0.0258 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 7786-34-7 | Q |
| Naled | 0.0537 U | mg/kg | 0.112 | 0.0537 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 300-76-5 | Q |
| Phorate | 0.0235 U | mg/kg | 0.112 | 0.0235 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 298-02-2 | Q |
| Ronnel | 0.0167 U | mg/kg | 0.112 | 0.0167 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 299-84-3 | Q |
| Stirophos (Tetrachlorvinphos) | 0.0199 U | mg/kg | 0.112 | 0.0199 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 22248-79-9 | Q |
| Sulfotepp (Thiodiphosphoric Ac | 0.0110 U | mg/kg | 0.112 | 0.0110 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 3689-24-5 | Q |
| TEPP | 0.176 U | mg/kg | 1.12 | 0.176 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 107-49-3 | Q |
| Tokuthion (Prothiofos) | 0.0168 U | mg/kg | 0.112 | 0.0168 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 34643-46-4 | Q |
| Trichloronate | 0.0225 U | mg/kg | 0.112 | 0.0225 | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 327-98-0 | Q |

Surrogates

| | | | | | | | | | |
|------------------------|------|---|----------|--|---|----------------|----------------|----------|--|
| Triphenylphosphate (S) | 90.4 | % | 36.0-121 | | 1 | 01/12/22 04:13 | 01/14/22 06:22 | 115-86-6 | |
|------------------------|------|---|----------|--|---|----------------|----------------|----------|--|

Chlorinated Herb. (GC) 8151

Analytical Method: EPA 8151 Preparation Method: 8151A

Pace National - Mt. Juliet

| | | | | | | | | | |
|-------------------|------------------|-------|----------|---------|---|----------------|----------------|------------|--|
| 2,4-D | 0.00786 U | mg/kg | 0.0784 | 0.00786 | 1 | 01/12/22 11:01 | 01/17/22 01:49 | 94-75-7 | |
| Dalapon | 0.0127 U | mg/kg | 0.0784 | 0.0127 | 1 | 01/12/22 11:01 | 01/17/22 01:49 | 75-99-0 | |
| 2,4-DB | 0.0333 U | mg/kg | 0.0784 | 0.0333 | 1 | 01/12/22 11:01 | 01/17/22 01:49 | 94-82-6 | |
| Dicamba | 0.0176 U | mg/kg | 0.0784 | 0.0176 | 1 | 01/12/22 11:01 | 01/17/22 01:49 | 1918-00-9 | |
| Dichloroprop | 0.0274 U | mg/kg | 0.0784 | 0.0274 | 1 | 01/12/22 11:01 | 01/17/22 01:49 | 15165-67-0 | |
| Dinoseb | 0.00780 U | mg/kg | 0.0784 | 0.00780 | 1 | 01/12/22 11:01 | 01/17/22 01:49 | 88-85-7 | |
| MCPA | 0.496 U | mg/kg | 7.28 | 0.496 | 1 | 01/12/22 11:01 | 01/17/22 01:49 | 94-74-6 | |
| MCPP | 0.411 U | mg/kg | 7.28 | 0.411 | 1 | 01/12/22 11:01 | 01/17/22 01:49 | 7085-19-0 | |
| 2,4,5-T | 0.00954 U | mg/kg | 0.0784 | 0.00954 | 1 | 01/12/22 11:01 | 01/17/22 01:49 | 93-76-5 | |
| 2,4,5-TP (Silvex) | 0.0120 U | mg/kg | 0.0784 | 0.0120 | 1 | 01/12/22 11:01 | 01/17/22 01:49 | 93-72-1 | |
| Surrogates | | | | | | | | | |
| 2,4-DCAA (S) | 67.7 | % | 22.0-132 | | 1 | 01/12/22 11:01 | 01/17/22 01:49 | 19719-28-9 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-5 **Lab ID: 35688572005** Collected: 01/04/22 14:20 Received: 01/06/22 13:22 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 |
|----------------------------------------------------------|------------|-------|--------|----------|----|----------------|----------------|------------|------|
| 8081 GCS Pesticides | | | | | | | | | |
| Analytical Method: EPA 8081 Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Aldrin | 0.00019 U | mg/kg | 0.0019 | 0.00019 | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 309-00-2 | |
| alpha-BHC | 0.000050 U | mg/kg | 0.0019 | 0.000050 | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 319-84-6 | |
| beta-BHC | 0.00022 U | mg/kg | 0.0019 | 0.00022 | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 319-85-7 | |
| delta-BHC | 0.000095 U | mg/kg | 0.0019 | 0.000095 | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 319-86-8 | |
| gamma-BHC (Lindane) | 0.000053 U | mg/kg | 0.0019 | 0.000053 | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 58-89-9 | |
| Chlordane (Technical) | 0.0056 U | mg/kg | 0.019 | 0.0056 | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 57-74-9 | |
| 4,4'-DDD | 0.00051 I | mg/kg | 0.0019 | 0.000083 | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 72-54-8 | |
| 4,4'-DDE | 0.0016 I | mg/kg | 0.0019 | 0.000073 | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 72-55-9 | C2 |
| 4,4'-DDT | 0.00023 I | mg/kg | 0.0019 | 0.00010 | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 50-29-3 | C2 |
| Dieldrin | 0.000071 U | mg/kg | 0.0019 | 0.000071 | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 60-57-1 | |
| Endosulfan I | 0.00021 U | mg/kg | 0.0019 | 0.00021 | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 959-98-8 | |
| Endosulfan II | 0.000083 U | mg/kg | 0.0019 | 0.000083 | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 33213-65-9 | |
| Endosulfan sulfate | 0.000073 U | mg/kg | 0.0019 | 0.000073 | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 1031-07-8 | |
| Endrin | 0.000093 U | mg/kg | 0.0019 | 0.000093 | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 72-20-8 | |
| Endrin aldehyde | 0.00027 U | mg/kg | 0.0037 | 0.00027 | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 7421-93-4 | |
| Endrin ketone | 0.000086 U | mg/kg | 0.0019 | 0.000086 | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 53494-70-5 | |
| Heptachlor | 0.00020 U | mg/kg | 0.0019 | 0.00020 | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 76-44-8 | |
| Heptachlor epoxide | 0.000080 U | mg/kg | 0.0019 | 0.000080 | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 1024-57-3 | |
| Methoxychlor | 0.00027 U | mg/kg | 0.0019 | 0.00027 | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 72-43-5 | |
| Toxaphene | 0.0080 U | mg/kg | 0.019 | 0.0080 | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 8001-35-2 | |
| Surrogates | | | | | | | | | |
| Tetrachloro-m-xylene (S) | 84 | % | 53-140 | | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 877-09-8 | |
| Decachlorobiphenyl (S) | 97 | % | 43-157 | | 1 | 01/07/22 22:15 | 01/09/22 20:14 | 2051-24-3 | |
| 6010 MET ICP | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3050 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Arsenic | 0.31 U | mg/kg | 0.62 | 0.31 | 1 | 01/14/22 21:31 | 01/17/22 17:58 | 7440-38-2 | |
| Barium | 1.1 | mg/kg | 0.62 | 0.10 | 1 | 01/14/22 21:31 | 01/17/22 17:58 | 7440-39-3 | |
| Cadmium | 0.057 I | mg/kg | 0.062 | 0.031 | 1 | 01/14/22 21:31 | 01/17/22 17:58 | 7440-43-9 | |
| Chromium | 6.4 | mg/kg | 0.31 | 0.16 | 1 | 01/14/22 21:31 | 01/17/22 17:58 | 7440-47-3 | |
| Lead | 3.5 | mg/kg | 0.62 | 0.31 | 1 | 01/14/22 21:31 | 01/17/22 17:58 | 7439-92-1 | |
| Selenium | 0.47 U | mg/kg | 0.94 | 0.47 | 1 | 01/14/22 21:31 | 01/17/22 17:58 | 7782-49-2 | |
| Silver | 0.069 U | mg/kg | 0.31 | 0.069 | 1 | 01/14/22 21:31 | 01/17/22 17:58 | 7440-22-4 | |
| 7471 Mercury | | | | | | | | | |
| Analytical Method: EPA 7471 Preparation Method: EPA 7471 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Mercury | 0.012 | mg/kg | 0.011 | 0.0054 | 1 | 01/18/22 11:44 | 01/20/22 11:44 | 7439-97-6 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test

Pace Project No.: 35688572

Sample: SS-5 **Lab ID: 35688572005** Collected: 01/04/22 14:20 Received: 01/06/22 13:22 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 |
|---------------------------------|----------------------------------------------------------------------------------------------|-------|------|------|----|----------------|----------------|---------|------|
| Percent Moisture | Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach | | | | | | | | |
| Percent Moisture | 9.4 | % | 0.10 | 0.10 | 1 | | 01/18/22 14:24 | | |
| Total Solids 2540 G-2011 | Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet | | | | | | | | |
| Total Solids | 89.3 | % | | | 1 | 01/13/22 17:19 | 01/13/22 17:29 | | |

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-6 **Lab ID: 35688572006** Collected: 01/04/22 14:35 Received: 01/06/22 13:22 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 |
|-------------------------------------------------------|------------------|-------|----------|---------|----|----------------|----------------|------------|------|
| OP Pesticides 8141 | | | | | | | | | |
| Analytical Method: EPA 8141 Preparation Method: 3546 | | | | | | | | | |
| Pace National - Mt. Juliet | | | | | | | | | |
| Azinphos, methyl (Guthion) | 0.0381 U | mg/kg | 0.120 | 0.0381 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 86-50-0 | Q |
| Bolstar | 0.0178 U | mg/kg | 0.120 | 0.0178 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 35400-43-2 | Q |
| Chlorpyrifos | 0.0188 U | mg/kg | 0.120 | 0.0188 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 2921-88-2 | Q |
| Coumaphos | 0.0291 U | mg/kg | 0.120 | 0.0291 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 56-72-4 | Q |
| Total Demeton | 0.00699 U | mg/kg | 0.0838 | 0.00699 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 8065-48-3 | Q |
| Diazinon | 0.0269 U | mg/kg | 0.120 | 0.0269 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 333-41-5 | Q |
| Dichlorvos | 0.0359 U | mg/kg | 0.120 | 0.0359 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 62-73-7 | Q |
| Dimethoate | 0.0400 U | mg/kg | 0.120 | 0.0400 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 60-51-5 | Q |
| Disulfoton | 0.0304 U | mg/kg | 0.120 | 0.0304 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 298-04-4 | Q |
| EPN (ENT) | 0.0330 U | mg/kg | 0.120 | 0.0330 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 2104-64-5 | Q |
| Ethoprop | 0.0141 U | mg/kg | 0.120 | 0.0141 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 13194-48-4 | Q |
| Parathion (Ethyl parathion) | 0.0196 U | mg/kg | 0.120 | 0.0196 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 56-38-2 | Q |
| Fensulfothion | 0.0423 U | mg/kg | 0.120 | 0.0423 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 115-90-2 | Q |
| Fenthion | 0.0159 U | mg/kg | 0.120 | 0.0159 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 55-38-9 | Q |
| Malathion | 0.0214 U | mg/kg | 0.120 | 0.0214 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 121-75-5 | Q |
| Merphos | 0.0278 U | mg/kg | 0.120 | 0.0278 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 150-50-5 | Q |
| Methyl parathion | 0.0243 U | mg/kg | 0.120 | 0.0243 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 298-00-0 | Q |
| Mevinphos | 0.0275 U | mg/kg | 0.120 | 0.0275 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 7786-34-7 | Q |
| Naled | 0.0575 U | mg/kg | 0.120 | 0.0575 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 300-76-5 | Q |
| Phorate | 0.0251 U | mg/kg | 0.120 | 0.0251 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 298-02-2 | Q |
| Ronnel | 0.0178 U | mg/kg | 0.120 | 0.0178 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 299-84-3 | Q |
| Stirophos (Tetrachlorvinphos) | 0.0213 U | mg/kg | 0.120 | 0.0213 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 22248-79-9 | Q |
| Sulfotepp (Thiodiphosphoric Ac | 0.0118 U | mg/kg | 0.120 | 0.0118 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 3689-24-5 | Q |
| TEPP | 0.188 U | mg/kg | 1.20 | 0.188 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 107-49-3 | Q |
| Tokuthion (Prothiofos) | 0.0180 U | mg/kg | 0.120 | 0.0180 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 34643-46-4 | Q |
| Trichloronate | 0.0241 U | mg/kg | 0.120 | 0.0241 | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 327-98-0 | Q |
| Surrogates | | | | | | | | | |
| Triphenylphosphate (S) | 88.5 | % | 36.0-121 | | 1 | 01/12/22 04:13 | 01/14/22 06:56 | 115-86-6 | |
| Chlorinated Herb. (GC) 8151 | | | | | | | | | |
| Analytical Method: EPA 8151 Preparation Method: 8151A | | | | | | | | | |
| Pace National - Mt. Juliet | | | | | | | | | |
| 2,4-D | 0.00840 U | mg/kg | 0.0838 | 0.00840 | 1 | 01/12/22 11:01 | 01/17/22 02:05 | 94-75-7 | |
| Dalapon | 0.0135 U | mg/kg | 0.0838 | 0.0135 | 1 | 01/12/22 11:01 | 01/17/22 02:05 | 75-99-0 | |
| 2,4-DB | 0.0356 U | mg/kg | 0.0838 | 0.0356 | 1 | 01/12/22 11:01 | 01/17/22 02:05 | 94-82-6 | |
| Dicamba | 0.0188 U | mg/kg | 0.0838 | 0.0188 | 1 | 01/12/22 11:01 | 01/17/22 02:05 | 1918-00-9 | |
| Dichloroprop | 0.0293 U | mg/kg | 0.0838 | 0.0293 | 1 | 01/12/22 11:01 | 01/17/22 02:05 | 15165-67-0 | |
| Dinoseb | 0.00834 U | mg/kg | 0.0838 | 0.00834 | 1 | 01/12/22 11:01 | 01/17/22 02:05 | 88-85-7 | |
| MCPA | 0.530 U | mg/kg | 7.78 | 0.530 | 1 | 01/12/22 11:01 | 01/17/22 02:05 | 94-74-6 | |
| MCP | 0.439 U | mg/kg | 7.78 | 0.439 | 1 | 01/12/22 11:01 | 01/17/22 02:05 | 7085-19-0 | |
| 2,4,5-T | 0.0102 U | mg/kg | 0.0838 | 0.0102 | 1 | 01/12/22 11:01 | 01/17/22 02:05 | 93-76-5 | |
| 2,4,5-TP (Silvex) | 0.0128 U | mg/kg | 0.0838 | 0.0128 | 1 | 01/12/22 11:01 | 01/17/22 02:05 | 93-72-1 | |
| Surrogates | | | | | | | | | |
| 2,4-DCAA (S) | 70.1 | % | 22.0-132 | | 1 | 01/12/22 11:01 | 01/17/22 02:05 | 19719-28-9 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-6 **Lab ID: 35688572006** Collected: 01/04/22 14:35 Received: 01/06/22 13:22 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 |
|----------------------------------------------------------|------------|-------|--------|----------|----|----------------|----------------|------------|------|
| 8081 GCS Pesticides | | | | | | | | | |
| Analytical Method: EPA 8081 Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Aldrin | 0.00019 U | mg/kg | 0.0019 | 0.00019 | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 309-00-2 | |
| alpha-BHC | 0.000051 U | mg/kg | 0.0019 | 0.000051 | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 319-84-6 | |
| beta-BHC | 0.00023 U | mg/kg | 0.0019 | 0.00023 | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 319-85-7 | |
| delta-BHC | 0.000097 U | mg/kg | 0.0019 | 0.000097 | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 319-86-8 | |
| gamma-BHC (Lindane) | 0.000055 U | mg/kg | 0.0019 | 0.000055 | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 58-89-9 | |
| Chlordane (Technical) | 0.0057 U | mg/kg | 0.019 | 0.0057 | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 57-74-9 | |
| 4,4'-DDD | 0.000085 U | mg/kg | 0.0019 | 0.000085 | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 72-54-8 | |
| 4,4'-DDE | 0.000075 U | mg/kg | 0.0019 | 0.000075 | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 72-55-9 | |
| 4,4'-DDT | 0.00010 U | mg/kg | 0.0019 | 0.00010 | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 50-29-3 | |
| Dieldrin | 0.000073 U | mg/kg | 0.0019 | 0.000073 | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 60-57-1 | |
| Endosulfan I | 0.00021 U | mg/kg | 0.0019 | 0.00021 | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 959-98-8 | |
| Endosulfan II | 0.000085 U | mg/kg | 0.0019 | 0.000085 | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 33213-65-9 | |
| Endosulfan sulfate | 0.000075 U | mg/kg | 0.0019 | 0.000075 | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 1031-07-8 | |
| Endrin | 0.000095 U | mg/kg | 0.0019 | 0.000095 | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 72-20-8 | |
| Endrin aldehyde | 0.00028 U | mg/kg | 0.0038 | 0.00028 | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 7421-93-4 | |
| Endrin ketone | 0.000088 U | mg/kg | 0.0019 | 0.000088 | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 53494-70-5 | |
| Heptachlor | 0.00020 U | mg/kg | 0.0019 | 0.00020 | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 76-44-8 | |
| Heptachlor epoxide | 0.000082 U | mg/kg | 0.0019 | 0.000082 | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 1024-57-3 | |
| Methoxychlor | 0.00028 U | mg/kg | 0.0019 | 0.00028 | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 72-43-5 | |
| Toxaphene | 0.0082 U | mg/kg | 0.019 | 0.0082 | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 8001-35-2 | |
| Surrogates | | | | | | | | | |
| Tetrachloro-m-xylene (S) | 86 | % | 53-140 | | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 877-09-8 | |
| Decachlorobiphenyl (S) | 89 | % | 43-157 | | 1 | 01/07/22 22:15 | 01/09/22 20:27 | 2051-24-3 | |
| 6010 MET ICP | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3050 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Arsenic | 0.24 U | mg/kg | 0.47 | 0.24 | 1 | 01/14/22 21:31 | 01/17/22 18:02 | 7440-38-2 | |
| Barium | 1.2 | mg/kg | 0.47 | 0.080 | 1 | 01/14/22 21:31 | 01/17/22 18:02 | 7440-39-3 | |
| Cadmium | 0.024 U | mg/kg | 0.047 | 0.024 | 1 | 01/14/22 21:31 | 01/17/22 18:02 | 7440-43-9 | |
| Chromium | 2.0 | mg/kg | 0.24 | 0.12 | 1 | 01/14/22 21:31 | 01/17/22 18:02 | 7440-47-3 | |
| Lead | 0.95 | mg/kg | 0.47 | 0.24 | 1 | 01/14/22 21:31 | 01/17/22 18:02 | 7439-92-1 | |
| Selenium | 0.36 U | mg/kg | 0.71 | 0.36 | 1 | 01/14/22 21:31 | 01/17/22 18:02 | 7782-49-2 | |
| Silver | 0.052 U | mg/kg | 0.24 | 0.052 | 1 | 01/14/22 21:31 | 01/17/22 18:02 | 7440-22-4 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test

Pace Project No.: 35688572

Sample: SS-6 **Lab ID: 35688572006** Collected: 01/04/22 14:35 Received: 01/06/22 13:22 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 |
|---------------------------------|--------------------------------------------------------------------------------------------------------|-------|-------|--------|----|----------------|----------------|-----------|------|
| 7471 Mercury | Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach | | | | | | | | |
| Mercury | 0.012 | mg/kg | 0.011 | 0.0053 | 1 | 01/18/22 11:44 | 01/20/22 11:46 | 7439-97-6 | |
| Percent Moisture | Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach | | | | | | | | |
| Percent Moisture | 11.0 | % | 0.10 | 0.10 | 1 | | 01/18/22 14:24 | | |
| Total Solids 2540 G-2011 | Analytical Method: SM 2540G Preparation Method: SM 2540 G Pace National - Mt. Juliet | | | | | | | | |
| Total Solids | 83.5 | % | | | 1 | 01/13/22 17:19 | 01/13/22 17:29 | | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-7 **Lab ID: 35688572007** Collected: 01/04/22 14:50 Received: 01/06/22 13:22 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 |
|----------------------------------------------------------|------------|-------|--------|----------|----|----------------|----------------|------------|------|
| 8081 GCS Pesticides | | | | | | | | | |
| Analytical Method: EPA 8081 Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Aldrin | 0.00020 U | mg/kg | 0.0020 | 0.00020 | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 309-00-2 | |
| alpha-BHC | 0.000054 U | mg/kg | 0.0020 | 0.000054 | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 319-84-6 | |
| beta-BHC | 0.00024 U | mg/kg | 0.0020 | 0.00024 | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 319-85-7 | |
| delta-BHC | 0.00010 U | mg/kg | 0.0020 | 0.00010 | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 319-86-8 | |
| gamma-BHC (Lindane) | 0.000058 U | mg/kg | 0.0020 | 0.000058 | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 58-89-9 | |
| Chlordane (Technical) | 0.0060 U | mg/kg | 0.020 | 0.0060 | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 57-74-9 | |
| 4,4'-DDD | 0.000090 U | mg/kg | 0.0020 | 0.000090 | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 72-54-8 | |
| 4,4'-DDE | 0.000079 U | mg/kg | 0.0020 | 0.000079 | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 72-55-9 | |
| 4,4'-DDT | 0.00011 U | mg/kg | 0.0020 | 0.00011 | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 50-29-3 | |
| Dieldrin | 0.000077 U | mg/kg | 0.0020 | 0.000077 | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 60-57-1 | |
| Endosulfan I | 0.00022 U | mg/kg | 0.0020 | 0.00022 | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 959-98-8 | |
| Endosulfan II | 0.000090 U | mg/kg | 0.0020 | 0.000090 | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 33213-65-9 | |
| Endosulfan sulfate | 0.000079 U | mg/kg | 0.0020 | 0.000079 | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 1031-07-8 | |
| Endrin | 0.00010 U | mg/kg | 0.0020 | 0.00010 | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 72-20-8 | |
| Endrin aldehyde | 0.00029 U | mg/kg | 0.0040 | 0.00029 | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 7421-93-4 | |
| Endrin ketone | 0.000093 U | mg/kg | 0.0020 | 0.000093 | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 53494-70-5 | |
| Heptachlor | 0.00021 U | mg/kg | 0.0020 | 0.00021 | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 76-44-8 | |
| Heptachlor epoxide | 0.000086 U | mg/kg | 0.0020 | 0.000086 | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 1024-57-3 | |
| Methoxychlor | 0.00029 U | mg/kg | 0.0020 | 0.00029 | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 72-43-5 | |
| Toxaphene | 0.0087 U | mg/kg | 0.020 | 0.0087 | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 8001-35-2 | |
| Surrogates | | | | | | | | | |
| Tetrachloro-m-xylene (S) | 71 | % | 53-140 | | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 877-09-8 | |
| Decachlorobiphenyl (S) | 50 | % | 43-157 | | 1 | 01/07/22 22:15 | 01/09/22 20:40 | 2051-24-3 | |
| 6010 MET ICP | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3050 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Arsenic | 0.93 | mg/kg | 0.52 | 0.26 | 1 | 01/14/22 21:31 | 01/17/22 18:05 | 7440-38-2 | |
| Barium | 5.1 | mg/kg | 0.52 | 0.088 | 1 | 01/14/22 21:31 | 01/17/22 18:05 | 7440-39-3 | |
| Cadmium | 0.071 | mg/kg | 0.052 | 0.026 | 1 | 01/14/22 21:31 | 01/17/22 18:05 | 7440-43-9 | |
| Chromium | 8.1 | mg/kg | 0.26 | 0.13 | 1 | 01/14/22 21:31 | 01/17/22 18:05 | 7440-47-3 | |
| Lead | 1.9 | mg/kg | 0.52 | 0.26 | 1 | 01/14/22 21:31 | 01/17/22 18:05 | 7439-92-1 | |
| Selenium | 0.39 U | mg/kg | 0.79 | 0.39 | 1 | 01/14/22 21:31 | 01/17/22 18:05 | 7782-49-2 | |
| Silver | 0.058 U | mg/kg | 0.26 | 0.058 | 1 | 01/14/22 21:31 | 01/17/22 18:05 | 7440-22-4 | |
| 7471 Mercury | | | | | | | | | |
| Analytical Method: EPA 7471 Preparation Method: EPA 7471 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Mercury | 0.016 | mg/kg | 0.010 | 0.0050 | 1 | 01/18/22 11:44 | 01/20/22 11:48 | 7439-97-6 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test

Pace Project No.: 35688572

Sample: SS-7 **Lab ID: 35688572007** Collected: 01/04/22 14:50 Received: 01/06/22 13:22 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 |
|--------------------------------------------------------------------------------------------------------|-------------|-------|------|------|----|----------|----------------|---------|------|
| Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Percent Moisture | 16.0 | % | 0.10 | 0.10 | 1 | | 01/18/22 14:24 | | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-8 **Lab ID: 35688572008** Collected: 01/05/22 10:40 Received: 01/06/22 13:22 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 |
|----------------------------------------------------------|-----------|-------|--------|---------|----|----------------|----------------|------------|------|
| 8081 GCS Pesticides | | | | | | | | | |
| Analytical Method: EPA 8081 Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Aldrin | 0.00038 U | mg/kg | 0.0038 | 0.00038 | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 309-00-2 | |
| alpha-BHC | 0.00010 U | mg/kg | 0.0038 | 0.00010 | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 319-84-6 | |
| beta-BHC | 0.00046 U | mg/kg | 0.0038 | 0.00046 | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 319-85-7 | |
| delta-BHC | 0.00020 U | mg/kg | 0.0038 | 0.00020 | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 319-86-8 | |
| gamma-BHC (Lindane) | 0.00011 U | mg/kg | 0.0038 | 0.00011 | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 58-89-9 | |
| Chlordane (Technical) | 0.011 U | mg/kg | 0.038 | 0.011 | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 57-74-9 | |
| 4,4'-DDD | 0.00017 U | mg/kg | 0.0038 | 0.00017 | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 72-54-8 | |
| 4,4'-DDE | 0.00015 U | mg/kg | 0.0038 | 0.00015 | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 72-55-9 | |
| 4,4'-DDT | 0.00021 U | mg/kg | 0.0038 | 0.00021 | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 50-29-3 | |
| Dieldrin | 0.00015 U | mg/kg | 0.0038 | 0.00015 | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 60-57-1 | |
| Endosulfan I | 0.00043 U | mg/kg | 0.0038 | 0.00043 | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 959-98-8 | |
| Endosulfan II | 0.00017 U | mg/kg | 0.0038 | 0.00017 | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 33213-65-9 | |
| Endosulfan sulfate | 0.00015 U | mg/kg | 0.0038 | 0.00015 | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 1031-07-8 | |
| Endrin | 0.00019 U | mg/kg | 0.0038 | 0.00019 | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 72-20-8 | |
| Endrin aldehyde | 0.00056 U | mg/kg | 0.0077 | 0.00056 | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 7421-93-4 | |
| Endrin ketone | 0.00018 U | mg/kg | 0.0038 | 0.00018 | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 53494-70-5 | |
| Heptachlor | 0.00041 U | mg/kg | 0.0038 | 0.00041 | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 76-44-8 | |
| Heptachlor epoxide | 0.00016 U | mg/kg | 0.0038 | 0.00016 | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 1024-57-3 | |
| Methoxychlor | 0.00056 U | mg/kg | 0.0038 | 0.00056 | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 72-43-5 | |
| Toxaphene | 0.017 U | mg/kg | 0.038 | 0.017 | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 8001-35-2 | |
| Surrogates | | | | | | | | | |
| Tetrachloro-m-xylene (S) | 96 | % | 53-140 | | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 877-09-8 | |
| Decachlorobiphenyl (S) | 68 | % | 43-157 | | 2 | 01/09/22 17:06 | 01/10/22 10:42 | 2051-24-3 | |
| 8082 GCS PCB | | | | | | | | | |
| Analytical Method: EPA 8082 Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| PCB-1016 (Aroclor 1016) | 0.0043 U | mg/kg | 0.019 | 0.0043 | 1 | 01/09/22 17:06 | 01/10/22 16:07 | 12674-11-2 | |
| PCB-1221 (Aroclor 1221) | 0.0090 U | mg/kg | 0.019 | 0.0090 | 1 | 01/09/22 17:06 | 01/10/22 16:07 | 11104-28-2 | |
| PCB-1232 (Aroclor 1232) | 0.0095 U | mg/kg | 0.019 | 0.0095 | 1 | 01/09/22 17:06 | 01/10/22 16:07 | 11141-16-5 | |
| PCB-1242 (Aroclor 1242) | 0.010 U | mg/kg | 0.019 | 0.010 | 1 | 01/09/22 17:06 | 01/10/22 16:07 | 53469-21-9 | |
| PCB-1248 (Aroclor 1248) | 0.0053 U | mg/kg | 0.019 | 0.0053 | 1 | 01/09/22 17:06 | 01/10/22 16:07 | 12672-29-6 | |
| PCB-1254 (Aroclor 1254) | 0.0077 U | mg/kg | 0.019 | 0.0077 | 1 | 01/09/22 17:06 | 01/10/22 16:07 | 11097-69-1 | |
| PCB-1260 (Aroclor 1260) | 0.0057 U | mg/kg | 0.019 | 0.0057 | 1 | 01/09/22 17:06 | 01/10/22 16:07 | 11096-82-5 | |
| Surrogates | | | | | | | | | |
| Tetrachloro-m-xylene (S) | 74 | % | 59-129 | | 1 | 01/09/22 17:06 | 01/10/22 16:07 | 877-09-8 | |
| Decachlorobiphenyl (S) | 44 | % | 26-172 | | 1 | 01/09/22 17:06 | 01/10/22 16:07 | 2051-24-3 | |
| FL-PRO Soil Microwave | | | | | | | | | |
| Analytical Method: FL-PRO Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Petroleum Range Organics | 47.2 | mg/kg | 6.6 | 5.7 | 1 | 01/12/22 03:20 | 01/12/22 16:45 | | |
| Surrogates | | | | | | | | | |
| o-Terphenyl (S) | 106 | % | 66-136 | | 1 | 01/12/22 03:20 | 01/12/22 16:45 | 84-15-1 | |
| N-Pentatriacontane (S) | 93 | % | 42-159 | | 1 | 01/12/22 03:20 | 01/12/22 16:45 | 630-07-09 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-8 **Lab ID: 35688572008** Collected: 01/05/22 10:40 Received: 01/06/22 13:22 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 | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3050 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Arsenic | 1.6 | mg/kg | 0.56 | 0.28 | 1 | 01/14/22 21:31 | 01/17/22 08:33 | 7440-38-2 | |
| Cadmium | 0.37 | mg/kg | 0.056 | 0.028 | 1 | 01/14/22 21:31 | 01/17/22 08:33 | 7440-43-9 | |
| Chromium | 15.3 | mg/kg | 0.28 | 0.14 | 1 | 01/14/22 21:31 | 01/17/22 08:33 | 7440-47-3 | |
| Lead | 0.73 | mg/kg | 0.56 | 0.28 | 1 | 01/14/22 21:31 | 01/17/22 08:33 | 7439-92-1 | |

| | | | | | | | | | |
|----------------------------------------------------------|-----------------|-------|-------|--------|---|----------------|----------------|-----------|----------|
| 8270 MSSV Full List Microwave | | | | | | | | | |
| Analytical Method: EPA 8270 Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Acenaphthene | 0.035 U | mg/kg | 0.079 | 0.035 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 83-32-9 | P1 |
| Acenaphthylene | 0.012 U | mg/kg | 0.075 | 0.012 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 208-96-8 | P1 |
| Anthracene | 0.010 U | mg/kg | 0.079 | 0.010 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 120-12-7 | P1 |
| Benzidine | 0.20 U | mg/kg | 1.8 | 0.20 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 92-87-5 | P1 |
| Benzo(a)anthracene | 0.0099 U | mg/kg | 0.075 | 0.0099 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 56-55-3 | P1 |
| Benzo(a)pyrene | 0.019 U | mg/kg | 0.075 | 0.019 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 50-32-8 | P1 |
| Benzo(b)fluoranthene | 0.020 U | mg/kg | 0.075 | 0.020 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 205-99-2 | P1 |
| Benzo(g,h,i)perylene | 0.019 U | mg/kg | 0.075 | 0.019 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 191-24-2 | P1 |
| Benzo(k)fluoranthene | 0.020 U | mg/kg | 0.075 | 0.020 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 207-08-9 | P1 |
| 4-Bromophenylphenyl ether | 0.071 U | mg/kg | 0.37 | 0.071 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 101-55-3 | P1 |
| Butylbenzylphthalate | 0.075 U | mg/kg | 0.37 | 0.075 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 85-68-7 | P1 |
| 4-Chloro-3-methylphenol | 0.22 U | mg/kg | 1.5 | 0.22 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 59-50-7 | P1 |
| bis(2-Chloroethoxy)methane | 0.053 U | mg/kg | 0.37 | 0.053 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 111-91-1 | P1 |
| bis(2-Chloroethyl) ether | 0.024 U | mg/kg | 0.37 | 0.024 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 111-44-4 | P1 |
| bis(2-Chloroisopropyl) ether | 0.075 U | mg/kg | 0.37 | 0.075 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 108-60-1 | P1 |
| 2-Chloronaphthalene | 0.018 U | mg/kg | 0.37 | 0.018 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 91-58-7 | P1 |
| 2-Chlorophenol | 0.060 U | mg/kg | 0.37 | 0.060 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 95-57-8 | P1 |
| 4-Chlorophenylphenyl ether | 0.053 U | mg/kg | 0.37 | 0.053 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 7005-72-3 | P1 |
| Chrysene | 0.0099 U | mg/kg | 0.075 | 0.0099 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 218-01-9 | P1 |
| Dibenz(a,h)anthracene | 0.017 U | mg/kg | 0.075 | 0.017 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 53-70-3 | P1 |
| 3,3'-Dichlorobenzidine | 0.073 U | mg/kg | 1.5 | 0.073 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 91-94-1 | P1 |
| 2,4-Dichlorophenol | 0.017 U | mg/kg | 0.37 | 0.017 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 120-83-2 | P1 |
| Diethylphthalate | 0.13 U | mg/kg | 0.37 | 0.13 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 84-66-2 | P1 |
| 2,4-Dimethylphenol | 0.066 U | mg/kg | 0.37 | 0.066 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 105-67-9 | P1 |
| Dimethylphthalate | 0.060 U | mg/kg | 0.37 | 0.060 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 131-11-3 | P1 |
| Di-n-butylphthalate | 0.055 U | mg/kg | 0.37 | 0.055 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 84-74-2 | P1 |
| 4,6-Dinitro-2-methylphenol | 0.24 U | mg/kg | 1.5 | 0.24 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 534-52-1 | P1 |
| 2,4-Dinitrophenol | 0.22 U | mg/kg | 1.5 | 0.22 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 51-28-5 | P1 |
| 2,4-Dinitrotoluene | 0.021 U | mg/kg | 0.37 | 0.021 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 121-14-2 | P1 |
| 2,6-Dinitrotoluene | 0.018 U | mg/kg | 0.37 | 0.018 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 606-20-2 | P1 |
| Di-n-octylphthalate | 0.090 U | mg/kg | 0.37 | 0.090 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 117-84-0 | P1 |
| 1,2-Diphenylhydrazine | 0.082 U | mg/kg | 0.37 | 0.082 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 122-66-7 | P1 |
| bis(2-Ethylhexyl)phthalate | 0.077 U | mg/kg | 0.37 | 0.077 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 117-81-7 | P1 |
| Fluoranthene | 0.024 U | mg/kg | 0.075 | 0.024 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 206-44-0 | P1 |
| Fluorene | 0.026 U | mg/kg | 0.082 | 0.026 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 86-73-7 | P1 |
| Hexachlorobenzene | 0.015 U | mg/kg | 0.37 | 0.015 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 118-74-1 | P1 |
| Hexachlorocyclopentadiene | 0.27 U | mg/kg | 1.5 | 0.27 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 77-47-4 | J(v1),P1 |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-8 **Lab ID: 35688572008** Collected: 01/05/22 10:40 Received: 01/06/22 13:22 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 |
|----------------------------------------------------------|-----------------|-------|--------|--------|----|----------------|----------------|------------|-------|
| 8270 MSSV Full List Microwave | | | | | | | | | |
| Analytical Method: EPA 8270 Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Hexachloroethane | 0.057 U | mg/kg | 0.37 | 0.057 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 67-72-1 | P1 |
| Indeno(1,2,3-cd)pyrene | 0.017 U | mg/kg | 0.075 | 0.017 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 193-39-5 | P1 |
| Isophorone | 0.064 U | mg/kg | 0.37 | 0.064 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 78-59-1 | P1 |
| Naphthalene | 0.026 U | mg/kg | 0.077 | 0.026 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 91-20-3 | P1 |
| Nitrobenzene | 0.025 U | mg/kg | 0.37 | 0.025 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 98-95-3 | P1 |
| 2-Nitrophenol | 0.12 U | mg/kg | 0.37 | 0.12 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 88-75-5 | P1 |
| 4-Nitrophenol | 0.16 U | mg/kg | 0.48 | 0.16 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 100-02-7 | P1 |
| N-Nitrosodimethylamine | 0.024 U | mg/kg | 0.37 | 0.024 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 62-75-9 | P1 |
| N-Nitroso-di-n-propylamine | 0.015 U | mg/kg | 0.37 | 0.015 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 621-64-7 | P1 |
| N-Nitrosodiphenylamine | 0.049 U | mg/kg | 0.37 | 0.049 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 86-30-6 | P1 |
| Pentachlorophenol | 0.19 U | mg/kg | 1.5 | 0.19 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 87-86-5 | P1 |
| Phenanthrene | 0.011 U | mg/kg | 0.075 | 0.011 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 85-01-8 | P1 |
| Phenol | 0.071 U | mg/kg | 0.37 | 0.071 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 108-95-2 | P1 |
| Pyrene | 0.0099 U | mg/kg | 0.075 | 0.0099 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 129-00-0 | P1 |
| 2,4,6-Trichlorophenol | 0.020 U | mg/kg | 0.37 | 0.020 | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 88-06-2 | P1 |
| Surrogates | | | | | | | | | |
| Nitrobenzene-d5 (S) | 58 | % | 24-98 | | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 64 | % | 29-101 | | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 89 | % | 29-112 | | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 1718-51-0 | |
| Phenol-d6 (S) | 65 | % | 10-104 | | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 13127-88-3 | |
| 2-Fluorophenol (S) | 53 | % | 19-95 | | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 74 | % | 23-110 | | 1 | 01/07/22 10:47 | 01/10/22 22:58 | 118-79-6 | |
| 8260 MSV 5035 | | | | | | | | | |
| Analytical Method: EPA 8260 Preparation Method: EPA 5035 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Acrolein | 6.2 U | ug/kg | 59.8 | 6.2 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 107-02-8 | |
| Acrylonitrile | 7.3 U | ug/kg | 59.8 | 7.3 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 107-13-1 | |
| Benzene | 1.2 U | ug/kg | 6.0 | 1.2 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 71-43-2 | |
| Bromodichloromethane | 1.3 U | ug/kg | 6.0 | 1.3 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 75-27-4 | |
| Bromoform | 1.3 U | ug/kg | 6.0 | 1.3 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 75-25-2 | |
| Bromomethane | 0.79 U | ug/kg | 6.0 | 0.79 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 74-83-9 | |
| Carbon tetrachloride | 1.4 U | ug/kg | 6.0 | 1.4 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 56-23-5 | |
| Chlorobenzene | 1.1 U | ug/kg | 6.0 | 1.1 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 108-90-7 | |
| Chloroethane | 0.59 U | ug/kg | 6.0 | 0.59 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 75-00-3 | J(v1) |
| 2-Chloroethylvinyl ether | 12.0 U | ug/kg | 23.9 | 12.0 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 110-75-8 | |
| Chloroform | 1.0 U | ug/kg | 6.0 | 1.0 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 67-66-3 | |
| Chloromethane | 1.1 U | ug/kg | 6.0 | 1.1 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 74-87-3 | |
| Dibromochloromethane | 1.0 U | ug/kg | 6.0 | 1.0 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 124-48-1 | |
| 1,2-Dichlorobenzene | 0.91 U | ug/kg | 6.0 | 0.91 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 95-50-1 | |
| 1,3-Dichlorobenzene | 1.1 U | ug/kg | 6.0 | 1.1 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 541-73-1 | |
| 1,4-Dichlorobenzene | 0.80 U | ug/kg | 6.0 | 0.80 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 106-46-7 | |
| Dichlorodifluoromethane | 1.0 U | ug/kg | 6.0 | 1.0 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 75-71-8 | |
| 1,1-Dichloroethane | 1.2 U | ug/kg | 6.0 | 1.2 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 75-34-3 | |
| 1,2-Dichloroethane | 0.92 U | ug/kg | 6.0 | 0.92 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 107-06-2 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-8 **Lab ID: 35688572008** Collected: 01/05/22 10:40 Received: 01/06/22 13:22 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 |
|----------------------------------------------------------|---------------|-------|--------|------|----|----------------|----------------|-----------|------|
| 8260 MSV 5035 | | | | | | | | | |
| Analytical Method: EPA 8260 Preparation Method: EPA 5035 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| 1,1-Dichloroethene | 3.0 U | ug/kg | 6.0 | 3.0 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 75-35-4 | |
| trans-1,2-Dichloroethene | 1.6 U | ug/kg | 6.0 | 1.6 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 156-60-5 | |
| 1,2-Dichloropropane | 1.1 U | ug/kg | 6.0 | 1.1 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 78-87-5 | |
| 1,3-Dichloropropane | 3.0 U | ug/kg | 6.0 | 3.0 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 542-75-6 | |
| Ethylbenzene | 1.4 U | ug/kg | 6.0 | 1.4 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 100-41-4 | |
| Hexachloro-1,3-butadiene | 0.91 U | ug/kg | 6.0 | 0.91 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 87-68-3 | |
| Isopropylbenzene (Cumene) | 3.2 U | ug/kg | 6.0 | 3.2 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 98-82-8 | |
| Methylene Chloride | 5.3 U | ug/kg | 6.0 | 5.3 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 75-09-2 | |
| Methyl-tert-butyl ether | 1.8 U | ug/kg | 6.0 | 1.8 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 1634-04-4 | |
| 1,1,2,2-Tetrachloroethane | 0.73 U | ug/kg | 6.0 | 0.73 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 79-34-5 | |
| Tetrachloroethene | 1.4 U | ug/kg | 6.0 | 1.4 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 127-18-4 | |
| Toluene | 0.97 U | ug/kg | 6.0 | 0.97 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | 3.0 U | ug/kg | 6.0 | 3.0 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 120-82-1 | |
| 1,1,1-Trichloroethane | 1.6 U | ug/kg | 6.0 | 1.6 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 71-55-6 | |
| 1,1,2-Trichloroethane | 0.71 U | ug/kg | 6.0 | 0.71 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 79-00-5 | |
| Trichloroethene | 1.4 U | ug/kg | 6.0 | 1.4 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 79-01-6 | |
| Trichlorofluoromethane | 1.1 U | ug/kg | 6.0 | 1.1 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 75-69-4 | |
| 1,2,4-Trimethylbenzene | 3.3 U | ug/kg | 6.0 | 3.3 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 1.6 U | ug/kg | 6.0 | 1.6 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 108-67-8 | |
| Vinyl chloride | 1.1 U | ug/kg | 6.0 | 1.1 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 75-01-4 | |
| Xylene (Total) | 6.1 U | ug/kg | 17.9 | 6.1 | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 1330-20-7 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 94 | % | 68-125 | | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 460-00-4 | |
| Toluene-d8 (S) | 104 | % | 70-130 | | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 2037-26-5 | |
| 1,2-Dichlorobenzene-d4 (S) | 103 | % | 70-130 | | 1 | 01/07/22 08:31 | 01/07/22 18:30 | 2199-69-1 | |

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Ormond Beach

| | | | | | | | | | |
|------------------|------------|---|------|------|---|--|----------------|--|--|
| Percent Moisture | 9.7 | % | 0.10 | 0.10 | 1 | | 01/18/22 14:24 | | |
|------------------|------------|---|------|------|---|--|----------------|--|--|

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-9 **Lab ID: 35688572009** Collected: 01/05/22 11:00 Received: 01/06/22 13:22 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 |
|----------------------------------------------------------|-----------|-------|--------|---------|----|----------------|----------------|------------|------|
| 8081 GCS Pesticides | | | | | | | | | |
| Analytical Method: EPA 8081 Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Aldrin | 0.00039 U | mg/kg | 0.0039 | 0.00039 | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 309-00-2 | |
| alpha-BHC | 0.00011 U | mg/kg | 0.0039 | 0.00011 | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 319-84-6 | |
| beta-BHC | 0.00047 U | mg/kg | 0.0039 | 0.00047 | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 319-85-7 | |
| delta-BHC | 0.00020 U | mg/kg | 0.0039 | 0.00020 | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 319-86-8 | |
| gamma-BHC (Lindane) | 0.00019 I | mg/kg | 0.0039 | 0.00011 | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 58-89-9 | |
| Chlordane (Technical) | 0.012 U | mg/kg | 0.039 | 0.012 | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 57-74-9 | |
| 4,4'-DDD | 0.00018 U | mg/kg | 0.0039 | 0.00018 | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 72-54-8 | |
| 4,4'-DDE | 0.00015 U | mg/kg | 0.0039 | 0.00015 | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 72-55-9 | |
| 4,4'-DDT | 0.00022 U | mg/kg | 0.0039 | 0.00022 | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 50-29-3 | |
| Dieldrin | 0.00015 U | mg/kg | 0.0039 | 0.00015 | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 60-57-1 | |
| Endosulfan I | 0.00044 U | mg/kg | 0.0039 | 0.00044 | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 959-98-8 | |
| Endosulfan II | 0.00018 U | mg/kg | 0.0039 | 0.00018 | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 33213-65-9 | |
| Endosulfan sulfate | 0.00015 U | mg/kg | 0.0039 | 0.00015 | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 1031-07-8 | |
| Endrin | 0.00020 U | mg/kg | 0.0039 | 0.00020 | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 72-20-8 | |
| Endrin aldehyde | 0.00058 U | mg/kg | 0.0079 | 0.00058 | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 7421-93-4 | |
| Endrin ketone | 0.00018 U | mg/kg | 0.0039 | 0.00018 | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 53494-70-5 | |
| Heptachlor | 0.00042 U | mg/kg | 0.0039 | 0.00042 | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 76-44-8 | |
| Heptachlor epoxide | 0.00017 U | mg/kg | 0.0039 | 0.00017 | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 1024-57-3 | |
| Methoxychlor | 0.00058 U | mg/kg | 0.0039 | 0.00058 | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 72-43-5 | |
| Toxaphene | 0.017 U | mg/kg | 0.039 | 0.017 | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 8001-35-2 | |
| Surrogates | | | | | | | | | |
| Tetrachloro-m-xylene (S) | 110 | % | 53-140 | | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 877-09-8 | |
| Decachlorobiphenyl (S) | 72 | % | 43-157 | | 2 | 01/09/22 17:06 | 01/10/22 11:31 | 2051-24-3 | |
| 8082 GCS PCB | | | | | | | | | |
| Analytical Method: EPA 8082 Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| PCB-1016 (Aroclor 1016) | 0.0044 U | mg/kg | 0.020 | 0.0044 | 1 | 01/09/22 17:06 | 01/10/22 16:27 | 12674-11-2 | |
| PCB-1221 (Aroclor 1221) | 0.0093 U | mg/kg | 0.020 | 0.0093 | 1 | 01/09/22 17:06 | 01/10/22 16:27 | 11104-28-2 | |
| PCB-1232 (Aroclor 1232) | 0.0098 U | mg/kg | 0.020 | 0.0098 | 1 | 01/09/22 17:06 | 01/10/22 16:27 | 11141-16-5 | |
| PCB-1242 (Aroclor 1242) | 0.011 U | mg/kg | 0.020 | 0.011 | 1 | 01/09/22 17:06 | 01/10/22 16:27 | 53469-21-9 | |
| PCB-1248 (Aroclor 1248) | 0.0054 U | mg/kg | 0.020 | 0.0054 | 1 | 01/09/22 17:06 | 01/10/22 16:27 | 12672-29-6 | |
| PCB-1254 (Aroclor 1254) | 0.0079 U | mg/kg | 0.020 | 0.0079 | 1 | 01/09/22 17:06 | 01/10/22 16:27 | 11097-69-1 | |
| PCB-1260 (Aroclor 1260) | 0.0059 U | mg/kg | 0.020 | 0.0059 | 1 | 01/09/22 17:06 | 01/10/22 16:27 | 11096-82-5 | |
| Surrogates | | | | | | | | | |
| Tetrachloro-m-xylene (S) | 81 | % | 59-129 | | 1 | 01/09/22 17:06 | 01/10/22 16:27 | 877-09-8 | |
| Decachlorobiphenyl (S) | 53 | % | 26-172 | | 1 | 01/09/22 17:06 | 01/10/22 16:27 | 2051-24-3 | |
| FL-PRO Soil Microwave | | | | | | | | | |
| Analytical Method: FL-PRO Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Petroleum Range Organics | 16.5 | mg/kg | 6.9 | 5.9 | 1 | 01/12/22 03:20 | 01/12/22 16:59 | | |
| Surrogates | | | | | | | | | |
| o-Terphenyl (S) | 96 | % | 66-136 | | 1 | 01/12/22 03:20 | 01/12/22 16:59 | 84-15-1 | |
| N-Pentatriacontane (S) | 85 | % | 42-159 | | 1 | 01/12/22 03:20 | 01/12/22 16:59 | 630-07-09 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-9 **Lab ID: 35688572009** Collected: 01/05/22 11:00 Received: 01/06/22 13:22 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 | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3050 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Arsenic | 3.9 | mg/kg | 0.55 | 0.28 | 1 | 01/14/22 21:31 | 01/17/22 18:09 | 7440-38-2 | |
| Cadmium | 0.18 | mg/kg | 0.055 | 0.028 | 1 | 01/14/22 21:31 | 01/17/22 18:09 | 7440-43-9 | |
| Chromium | 5.2 | mg/kg | 0.28 | 0.14 | 1 | 01/14/22 21:31 | 01/17/22 18:09 | 7440-47-3 | |
| Lead | 2.7 | mg/kg | 0.55 | 0.28 | 1 | 01/14/22 21:31 | 01/17/22 18:09 | 7439-92-1 | |

| | | | | | | | | | |
|----------------------------------------------------------|----------------|-------|------|-------|---|----------------|----------------|-----------|----------|
| 8270 MSSV Full List Microwave | | | | | | | | | |
| Analytical Method: EPA 8270 Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Acenaphthene | 0.099 U | mg/kg | 0.22 | 0.099 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 83-32-9 | P1 |
| Acenaphthylene | 0.033 U | mg/kg | 0.21 | 0.033 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 208-96-8 | P1 |
| Anthracene | 0.028 U | mg/kg | 0.22 | 0.028 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 120-12-7 | P1 |
| Benzidine | 0.56 U | mg/kg | 5.1 | 0.56 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 92-87-5 | P1 |
| Benzo(a)anthracene | 0.028 U | mg/kg | 0.21 | 0.028 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 56-55-3 | P1 |
| Benzo(a)pyrene | 0.052 U | mg/kg | 0.21 | 0.052 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 50-32-8 | P1 |
| Benzo(b)fluoranthene | 0.055 U | mg/kg | 0.21 | 0.055 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 205-99-2 | P1 |
| Benzo(g,h,i)perylene | 0.052 U | mg/kg | 0.21 | 0.052 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 191-24-2 | P1 |
| Benzo(k)fluoranthene | 0.055 U | mg/kg | 0.21 | 0.055 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 207-08-9 | P1 |
| 4-Bromophenylphenyl ether | 0.20 U | mg/kg | 1.0 | 0.20 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 101-55-3 | P1 |
| Butylbenzylphthalate | 0.21 U | mg/kg | 1.0 | 0.21 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 85-68-7 | P1 |
| 4-Chloro-3-methylphenol | 0.62 U | mg/kg | 4.1 | 0.62 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 59-50-7 | P1 |
| bis(2-Chloroethoxy)methane | 0.15 U | mg/kg | 1.0 | 0.15 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 111-91-1 | P1 |
| bis(2-Chloroethyl) ether | 0.068 U | mg/kg | 1.0 | 0.068 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 111-44-4 | P1 |
| bis(2-Chloroisopropyl) ether | 0.21 U | mg/kg | 1.0 | 0.21 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 108-60-1 | P1 |
| 2-Chloronaphthalene | 0.049 U | mg/kg | 1.0 | 0.049 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 91-58-7 | P1 |
| 2-Chlorophenol | 0.17 U | mg/kg | 1.0 | 0.17 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 95-57-8 | P1 |
| 4-Chlorophenylphenyl ether | 0.15 U | mg/kg | 1.0 | 0.15 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 7005-72-3 | P1 |
| Chrysene | 0.028 U | mg/kg | 0.21 | 0.028 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 218-01-9 | P1 |
| Dibenz(a,h)anthracene | 0.048 U | mg/kg | 0.21 | 0.048 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 53-70-3 | P1 |
| 3,3'-Dichlorobenzidine | 0.20 U | mg/kg | 4.1 | 0.20 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 91-94-1 | P1 |
| 2,4-Dichlorophenol | 0.046 U | mg/kg | 1.0 | 0.046 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 120-83-2 | P1 |
| Diethylphthalate | 0.35 U | mg/kg | 1.0 | 0.35 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 84-66-2 | P1 |
| 2,4-Dimethylphenol | 0.18 U | mg/kg | 1.0 | 0.18 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 105-67-9 | P1 |
| Dimethylphthalate | 0.17 U | mg/kg | 1.0 | 0.17 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 131-11-3 | P1 |
| Di-n-butylphthalate | 0.15 U | mg/kg | 1.0 | 0.15 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 84-74-2 | P1 |
| 4,6-Dinitro-2-methylphenol | 0.68 U | mg/kg | 4.1 | 0.68 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 534-52-1 | P1 |
| 2,4-Dinitrophenol | 0.62 U | mg/kg | 4.1 | 0.62 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 51-28-5 | P1 |
| 2,4-Dinitrotoluene | 0.059 U | mg/kg | 1.0 | 0.059 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 121-14-2 | P1 |
| 2,6-Dinitrotoluene | 0.051 U | mg/kg | 1.0 | 0.051 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 606-20-2 | P1 |
| Di-n-octylphthalate | 0.25 U | mg/kg | 1.0 | 0.25 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 117-84-0 | P1 |
| 1,2-Diphenylhydrazine | 0.23 U | mg/kg | 1.0 | 0.23 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 122-66-7 | P1 |
| bis(2-Ethylhexyl)phthalate | 0.22 U | mg/kg | 1.0 | 0.22 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 117-81-7 | P1 |
| Fluoranthene | 0.068 U | mg/kg | 0.21 | 0.068 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 206-44-0 | P1 |
| Fluorene | 0.074 U | mg/kg | 0.23 | 0.074 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 86-73-7 | P1 |
| Hexachlorobenzene | 0.041 U | mg/kg | 1.0 | 0.041 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 118-74-1 | P1 |
| Hexachlorocyclopentadiene | 0.76 U | mg/kg | 4.1 | 0.76 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 77-47-4 | J(v1),P1 |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-9 **Lab ID: 35688572009** Collected: 01/05/22 11:00 Received: 01/06/22 13:22 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 |
|----------------------------------------------------------|----------------|-------|--------|-------|----|----------------|----------------|------------|-------|
| 8270 MSSV Full List Microwave | | | | | | | | | |
| Analytical Method: EPA 8270 Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Hexachloroethane | 0.16 U | mg/kg | 1.0 | 0.16 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 67-72-1 | P1 |
| Indeno(1,2,3-cd)pyrene | 0.047 U | mg/kg | 0.21 | 0.047 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 193-39-5 | P1 |
| Isophorone | 0.18 U | mg/kg | 1.0 | 0.18 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 78-59-1 | P1 |
| Naphthalene | 0.074 U | mg/kg | 0.22 | 0.074 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 91-20-3 | P1 |
| Nitrobenzene | 0.069 U | mg/kg | 1.0 | 0.069 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 98-95-3 | P1 |
| 2-Nitrophenol | 0.33 U | mg/kg | 1.0 | 0.33 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 88-75-5 | P1 |
| 4-Nitrophenol | 0.45 U | mg/kg | 1.3 | 0.45 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 100-02-7 | P1 |
| N-Nitrosodimethylamine | 0.068 U | mg/kg | 1.0 | 0.068 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 62-75-9 | P1 |
| N-Nitroso-di-n-propylamine | 0.041 U | mg/kg | 1.0 | 0.041 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 621-64-7 | P1 |
| N-Nitrosodiphenylamine | 0.14 U | mg/kg | 1.0 | 0.14 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 86-30-6 | P1 |
| Pentachlorophenol | 0.54 U | mg/kg | 4.1 | 0.54 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 87-86-5 | P1 |
| Phenanthrene | 0.030 U | mg/kg | 0.21 | 0.030 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 85-01-8 | P1 |
| Phenol | 0.20 U | mg/kg | 1.0 | 0.20 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 108-95-2 | P1 |
| Pyrene | 0.028 U | mg/kg | 0.21 | 0.028 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 129-00-0 | P1 |
| 2,4,6-Trichlorophenol | 0.057 U | mg/kg | 1.0 | 0.057 | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 88-06-2 | P1 |
| Surrogates | | | | | | | | | |
| Nitrobenzene-d5 (S) | 59 | % | 24-98 | | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 62 | % | 29-101 | | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 89 | % | 29-112 | | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 1718-51-0 | |
| Phenol-d6 (S) | 62 | % | 10-104 | | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 13127-88-3 | |
| 2-Fluorophenol (S) | 54 | % | 19-95 | | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 72 | % | 23-110 | | 1 | 01/07/22 10:47 | 01/10/22 23:23 | 118-79-6 | |
| 8260 MSV 5035 | | | | | | | | | |
| Analytical Method: EPA 8260 Preparation Method: EPA 5035 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Acrolein | 5.6 U | ug/kg | 53.9 | 5.6 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 107-02-8 | |
| Acrylonitrile | 6.6 U | ug/kg | 53.9 | 6.6 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 107-13-1 | |
| Benzene | 1.1 U | ug/kg | 5.4 | 1.1 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 71-43-2 | |
| Bromodichloromethane | 1.2 U | ug/kg | 5.4 | 1.2 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 75-27-4 | |
| Bromoform | 1.2 U | ug/kg | 5.4 | 1.2 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 75-25-2 | |
| Bromomethane | 0.71 U | ug/kg | 5.4 | 0.71 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 74-83-9 | |
| Carbon tetrachloride | 1.3 U | ug/kg | 5.4 | 1.3 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 56-23-5 | |
| Chlorobenzene | 1.0 U | ug/kg | 5.4 | 1.0 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 108-90-7 | |
| Chloroethane | 0.53 U | ug/kg | 5.4 | 0.53 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 75-00-3 | J(v1) |
| 2-Chloroethylvinyl ether | 10.8 U | ug/kg | 21.6 | 10.8 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 110-75-8 | |
| Chloroform | 0.91 U | ug/kg | 5.4 | 0.91 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 67-66-3 | |
| Chloromethane | 0.96 U | ug/kg | 5.4 | 0.96 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 74-87-3 | |
| Dibromochloromethane | 0.94 U | ug/kg | 5.4 | 0.94 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 124-48-1 | |
| 1,2-Dichlorobenzene | 0.82 U | ug/kg | 5.4 | 0.82 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 95-50-1 | |
| 1,3-Dichlorobenzene | 0.98 U | ug/kg | 5.4 | 0.98 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 541-73-1 | |
| 1,4-Dichlorobenzene | 0.72 U | ug/kg | 5.4 | 0.72 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 106-46-7 | |
| Dichlorodifluoromethane | 0.93 U | ug/kg | 5.4 | 0.93 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 75-71-8 | |
| 1,1-Dichloroethane | 1.1 U | ug/kg | 5.4 | 1.1 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 75-34-3 | |
| 1,2-Dichloroethane | 0.83 U | ug/kg | 5.4 | 0.83 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 107-06-2 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-9 **Lab ID: 35688572009** Collected: 01/05/22 11:00 Received: 01/06/22 13:22 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 |
|----------------------------------------------------------|---------|-------|--------|------|----|----------------|----------------|-----------|------|
| 8260 MSV 5035 | | | | | | | | | |
| Analytical Method: EPA 8260 Preparation Method: EPA 5035 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| 1,1-Dichloroethene | 2.7 U | ug/kg | 5.4 | 2.7 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 75-35-4 | |
| trans-1,2-Dichloroethene | 1.4 U | ug/kg | 5.4 | 1.4 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 156-60-5 | |
| 1,2-Dichloropropane | 0.99 U | ug/kg | 5.4 | 0.99 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 78-87-5 | |
| 1,3-Dichloropropane | 2.7 U | ug/kg | 5.4 | 2.7 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 542-75-6 | |
| Ethylbenzene | 1.3 U | ug/kg | 5.4 | 1.3 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 100-41-4 | |
| Hexachloro-1,3-butadiene | 0.82 U | ug/kg | 5.4 | 0.82 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 87-68-3 | |
| Isopropylbenzene (Cumene) | 2.9 U | ug/kg | 5.4 | 2.9 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 98-82-8 | |
| Methylene Chloride | 4.7 U | ug/kg | 5.4 | 4.7 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 75-09-2 | |
| Methyl-tert-butyl ether | 1.6 U | ug/kg | 5.4 | 1.6 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 1634-04-4 | |
| 1,1,2,2-Tetrachloroethane | 0.66 U | ug/kg | 5.4 | 0.66 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 79-34-5 | |
| Tetrachloroethene | 1.3 U | ug/kg | 5.4 | 1.3 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 127-18-4 | |
| Toluene | 0.87 U | ug/kg | 5.4 | 0.87 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | 2.7 U | ug/kg | 5.4 | 2.7 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 120-82-1 | |
| 1,1,1-Trichloroethane | 1.4 U | ug/kg | 5.4 | 1.4 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 71-55-6 | |
| 1,1,2-Trichloroethane | 0.64 U | ug/kg | 5.4 | 0.64 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 79-00-5 | |
| Trichloroethene | 1.3 U | ug/kg | 5.4 | 1.3 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 79-01-6 | |
| Trichlorofluoromethane | 0.99 U | ug/kg | 5.4 | 0.99 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 75-69-4 | |
| 1,2,4-Trimethylbenzene | 3.0 U | ug/kg | 5.4 | 3.0 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 1.4 U | ug/kg | 5.4 | 1.4 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 108-67-8 | |
| Vinyl chloride | 1.0 U | ug/kg | 5.4 | 1.0 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 75-01-4 | |
| Xylene (Total) | 5.5 U | ug/kg | 16.2 | 5.5 | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 1330-20-7 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 91 | % | 68-125 | | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 460-00-4 | |
| Toluene-d8 (S) | 91 | % | 70-130 | | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 2037-26-5 | |
| 1,2-Dichlorobenzene-d4 (S) | 100 | % | 70-130 | | 1 | 01/07/22 08:31 | 01/07/22 18:53 | 2199-69-1 | |

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Ormond Beach

| | | | | | | | | | |
|------------------|------|---|------|------|---|--|----------------|--|--|
| Percent Moisture | 13.8 | % | 0.10 | 0.10 | 1 | | 01/18/22 14:25 | | |
|------------------|------|---|------|------|---|--|----------------|--|--|

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-10 **Lab ID: 35688572010** Collected: 01/05/22 11:25 Received: 01/06/22 13:22 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 |
|----------------------------------------------------------|------------|-------|--------|----------|----|----------------|----------------|------------|------|
| 8081 GCS Pesticides | | | | | | | | | |
| Analytical Method: EPA 8081 Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Aldrin | 0.00019 U | mg/kg | 0.0019 | 0.00019 | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 309-00-2 | |
| alpha-BHC | 0.000052 U | mg/kg | 0.0019 | 0.000052 | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 319-84-6 | |
| beta-BHC | 0.00023 U | mg/kg | 0.0019 | 0.00023 | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 319-85-7 | |
| delta-BHC | 0.000099 U | mg/kg | 0.0019 | 0.000099 | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 319-86-8 | |
| gamma-BHC (Lindane) | 0.000056 U | mg/kg | 0.0019 | 0.000056 | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 58-89-9 | |
| Chlordane (Technical) | 0.010 I | mg/kg | 0.019 | 0.0058 | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 57-74-9 | |
| 4,4'-DDD | 0.00036 I | mg/kg | 0.0019 | 0.000086 | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 72-54-8 | |
| 4,4'-DDE | 0.0074 | mg/kg | 0.0019 | 0.000076 | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 72-55-9 | |
| 4,4'-DDT | 0.00011 U | mg/kg | 0.0019 | 0.00011 | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 50-29-3 | |
| Dieldrin | 0.000074 U | mg/kg | 0.0019 | 0.000074 | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 60-57-1 | |
| Endosulfan I | 0.00022 U | mg/kg | 0.0019 | 0.00022 | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 959-98-8 | |
| Endosulfan II | 0.000086 U | mg/kg | 0.0019 | 0.000086 | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 33213-65-9 | |
| Endosulfan sulfate | 0.000076 U | mg/kg | 0.0019 | 0.000076 | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 1031-07-8 | |
| Endrin | 0.000097 U | mg/kg | 0.0019 | 0.000097 | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 72-20-8 | |
| Endrin aldehyde | 0.00028 U | mg/kg | 0.0039 | 0.00028 | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 7421-93-4 | |
| Endrin ketone | 0.000090 U | mg/kg | 0.0019 | 0.000090 | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 53494-70-5 | |
| Heptachlor | 0.00020 U | mg/kg | 0.0019 | 0.00020 | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 76-44-8 | |
| Heptachlor epoxide | 0.000083 U | mg/kg | 0.0019 | 0.000083 | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 1024-57-3 | |
| Methoxychlor | 0.00028 U | mg/kg | 0.0019 | 0.00028 | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 72-43-5 | |
| Toxaphene | 0.0083 U | mg/kg | 0.019 | 0.0083 | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 8001-35-2 | |
| Surrogates | | | | | | | | | |
| Tetrachloro-m-xylene (S) | 114 | % | 53-140 | | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 877-09-8 | |
| Decachlorobiphenyl (S) | 77 | % | 43-157 | | 1 | 01/09/22 17:06 | 01/10/22 11:47 | 2051-24-3 | |
| 8082 GCS PCB | | | | | | | | | |
| Analytical Method: EPA 8082 Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| PCB-1016 (Aroclor 1016) | 0.0043 U | mg/kg | 0.019 | 0.0043 | 1 | 01/09/22 17:06 | 01/10/22 16:47 | 12674-11-2 | |
| PCB-1221 (Aroclor 1221) | 0.0091 U | mg/kg | 0.019 | 0.0091 | 1 | 01/09/22 17:06 | 01/10/22 16:47 | 11104-28-2 | |
| PCB-1232 (Aroclor 1232) | 0.0096 U | mg/kg | 0.019 | 0.0096 | 1 | 01/09/22 17:06 | 01/10/22 16:47 | 11141-16-5 | |
| PCB-1242 (Aroclor 1242) | 0.010 U | mg/kg | 0.019 | 0.010 | 1 | 01/09/22 17:06 | 01/10/22 16:47 | 53469-21-9 | |
| PCB-1248 (Aroclor 1248) | 0.0053 U | mg/kg | 0.019 | 0.0053 | 1 | 01/09/22 17:06 | 01/10/22 16:47 | 12672-29-6 | |
| PCB-1254 (Aroclor 1254) | 0.0078 U | mg/kg | 0.019 | 0.0078 | 1 | 01/09/22 17:06 | 01/10/22 16:47 | 11097-69-1 | |
| PCB-1260 (Aroclor 1260) | 0.0058 U | mg/kg | 0.019 | 0.0058 | 1 | 01/09/22 17:06 | 01/10/22 16:47 | 11096-82-5 | |
| Surrogates | | | | | | | | | |
| Tetrachloro-m-xylene (S) | 84 | % | 59-129 | | 1 | 01/09/22 17:06 | 01/10/22 16:47 | 877-09-8 | |
| Decachlorobiphenyl (S) | 57 | % | 26-172 | | 1 | 01/09/22 17:06 | 01/10/22 16:47 | 2051-24-3 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-10 **Lab ID: 35688572010** Collected: 01/05/22 11:25 Received: 01/06/22 13:22 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 |
|----------------------------------------------------------|-----------------|-------|--------|--------|----|----------------|----------------|-----------|------|
| FL-PRO Soil Microwave | | | | | | | | | |
| Analytical Method: FL-PRO Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Petroleum Range Organics | 5.8 U | mg/kg | 6.8 | 5.8 | 1 | 01/12/22 03:20 | 01/12/22 17:26 | | |
| Surrogates | | | | | | | | | |
| o-Terphenyl (S) | 100 | % | 66-136 | | 1 | 01/12/22 03:20 | 01/12/22 17:26 | 84-15-1 | |
| N-Pentatriacontane (S) | 89 | % | 42-159 | | 1 | 01/12/22 03:20 | 01/12/22 17:26 | 630-07-09 | |
| 6010 MET ICP | | | | | | | | | |
| Analytical Method: EPA 6010 Preparation Method: EPA 3050 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Arsenic | 0.25 U | mg/kg | 0.50 | 0.25 | 1 | 01/14/22 21:31 | 01/17/22 18:12 | 7440-38-2 | |
| Cadmium | 0.025 U | mg/kg | 0.050 | 0.025 | 1 | 01/14/22 21:31 | 01/17/22 18:12 | 7440-43-9 | |
| Chromium | 0.44 | mg/kg | 0.25 | 0.13 | 1 | 01/14/22 21:31 | 01/17/22 18:12 | 7440-47-3 | |
| Lead | 0.33 I | mg/kg | 0.50 | 0.25 | 1 | 01/14/22 21:31 | 01/17/22 18:12 | 7439-92-1 | |
| 8270 MSSV Full List Microwave | | | | | | | | | |
| Analytical Method: EPA 8270 Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Acenaphthene | 0.018 U | mg/kg | 0.041 | 0.018 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 83-32-9 | |
| Acenaphthylene | 0.0060 U | mg/kg | 0.039 | 0.0060 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 208-96-8 | |
| Anthracene | 0.0052 U | mg/kg | 0.041 | 0.0052 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 120-12-7 | |
| Benzidine | 0.10 U | mg/kg | 0.94 | 0.10 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 92-87-5 | |
| Benzo(a)anthracene | 0.0051 U | mg/kg | 0.039 | 0.0051 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 56-55-3 | |
| Benzo(a)pyrene | 0.0095 U | mg/kg | 0.039 | 0.0095 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 50-32-8 | |
| Benzo(b)fluoranthene | 0.010 U | mg/kg | 0.039 | 0.010 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 205-99-2 | |
| Benzo(g,h,i)perylene | 0.0096 U | mg/kg | 0.039 | 0.0096 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 191-24-2 | |
| Benzo(k)fluoranthene | 0.010 U | mg/kg | 0.039 | 0.010 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 207-08-9 | |
| 4-Bromophenylphenyl ether | 0.036 U | mg/kg | 0.19 | 0.036 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 101-55-3 | |
| Butylbenzylphthalate | 0.039 U | mg/kg | 0.19 | 0.039 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 85-68-7 | |
| 4-Chloro-3-methylphenol | 0.11 U | mg/kg | 0.76 | 0.11 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 59-50-7 | |
| bis(2-Chloroethoxy)methane | 0.027 U | mg/kg | 0.19 | 0.027 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 111-91-1 | |
| bis(2-Chloroethyl) ether | 0.012 U | mg/kg | 0.19 | 0.012 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 111-44-4 | |
| bis(2-Chloroisopropyl) ether | 0.039 U | mg/kg | 0.19 | 0.039 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 108-60-1 | |
| 2-Chloronaphthalene | 0.0091 U | mg/kg | 0.19 | 0.0091 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 91-58-7 | |
| 2-Chlorophenol | 0.031 U | mg/kg | 0.19 | 0.031 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 95-57-8 | |
| 4-Chlorophenylphenyl ether | 0.027 U | mg/kg | 0.19 | 0.027 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 7005-72-3 | |
| Chrysene | 0.0051 U | mg/kg | 0.039 | 0.0051 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 218-01-9 | |
| Dibenz(a,h)anthracene | 0.0088 U | mg/kg | 0.039 | 0.0088 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 53-70-3 | |
| 3,3'-Dichlorobenzidine | 0.037 U | mg/kg | 0.76 | 0.037 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 91-94-1 | |
| 2,4-Dichlorophenol | 0.0085 U | mg/kg | 0.19 | 0.0085 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 120-83-2 | |
| Diethylphthalate | 0.065 U | mg/kg | 0.19 | 0.065 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 84-66-2 | |
| 2,4-Dimethylphenol | 0.034 U | mg/kg | 0.19 | 0.034 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 105-67-9 | |
| Dimethylphthalate | 0.031 U | mg/kg | 0.19 | 0.031 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 131-11-3 | |
| Di-n-butylphthalate | 0.028 U | mg/kg | 0.19 | 0.028 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 84-74-2 | |
| 4,6-Dinitro-2-methylphenol | 0.12 U | mg/kg | 0.76 | 0.12 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 534-52-1 | |
| 2,4-Dinitrophenol | 0.11 U | mg/kg | 0.76 | 0.11 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 51-28-5 | |
| 2,4-Dinitrotoluene | 0.011 U | mg/kg | 0.19 | 0.011 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 121-14-2 | |
| 2,6-Dinitrotoluene | 0.0093 U | mg/kg | 0.19 | 0.0093 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 606-20-2 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-10 **Lab ID: 35688572010** Collected: 01/05/22 11:25 Received: 01/06/22 13:22 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 |
|----------------------------------------------------------|-----------------|-------|--------|--------|----|----------------|----------------|------------|-------|
| 8270 MSSV Full List Microwave | | | | | | | | | |
| Analytical Method: EPA 8270 Preparation Method: EPA 3546 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Di-n-octylphthalate | 0.046 U | mg/kg | 0.19 | 0.046 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 117-84-0 | |
| 1,2-Diphenylhydrazine | 0.042 U | mg/kg | 0.19 | 0.042 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 122-66-7 | |
| bis(2-Ethylhexyl)phthalate | 0.040 U | mg/kg | 0.19 | 0.040 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 117-81-7 | |
| Fluoranthene | 0.012 U | mg/kg | 0.039 | 0.012 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 206-44-0 | |
| Fluorene | 0.014 U | mg/kg | 0.042 | 0.014 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 86-73-7 | |
| Hexachlorobenzene | 0.0075 U | mg/kg | 0.19 | 0.0075 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 118-74-1 | |
| Hexachlorocyclopentadiene | 0.14 U | mg/kg | 0.76 | 0.14 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 77-47-4 | J(v1) |
| Hexachloroethane | 0.029 U | mg/kg | 0.19 | 0.029 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 67-72-1 | |
| Indeno(1,2,3-cd)pyrene | 0.0087 U | mg/kg | 0.039 | 0.0087 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 193-39-5 | |
| Isophorone | 0.033 U | mg/kg | 0.19 | 0.033 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 78-59-1 | |
| Naphthalene | 0.014 U | mg/kg | 0.040 | 0.014 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 91-20-3 | |
| Nitrobenzene | 0.013 U | mg/kg | 0.19 | 0.013 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 98-95-3 | |
| 2-Nitrophenol | 0.061 U | mg/kg | 0.19 | 0.061 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 88-75-5 | |
| 4-Nitrophenol | 0.083 U | mg/kg | 0.25 | 0.083 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 100-02-7 | |
| N-Nitrosodimethylamine | 0.012 U | mg/kg | 0.19 | 0.012 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 62-75-9 | |
| N-Nitroso-di-n-propylamine | 0.0075 U | mg/kg | 0.19 | 0.0075 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 621-64-7 | |
| N-Nitrosodiphenylamine | 0.025 U | mg/kg | 0.19 | 0.025 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 86-30-6 | |
| Pentachlorophenol | 0.099 U | mg/kg | 0.76 | 0.099 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 87-86-5 | |
| Phenanthrene | 0.0054 U | mg/kg | 0.039 | 0.0054 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 85-01-8 | |
| Phenol | 0.036 U | mg/kg | 0.19 | 0.036 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 108-95-2 | |
| Pyrene | 0.0051 U | mg/kg | 0.039 | 0.0051 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 129-00-0 | |
| 2,4,6-Trichlorophenol | 0.010 U | mg/kg | 0.19 | 0.010 | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 88-06-2 | |
| Surrogates | | | | | | | | | |
| Nitrobenzene-d5 (S) | 57 | % | 24-98 | | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 4165-60-0 | |
| 2-Fluorobiphenyl (S) | 60 | % | 29-101 | | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 321-60-8 | |
| p-Terphenyl-d14 (S) | 87 | % | 29-112 | | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 1718-51-0 | |
| Phenol-d6 (S) | 61 | % | 10-104 | | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 13127-88-3 | |
| 2-Fluorophenol (S) | 53 | % | 19-95 | | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 367-12-4 | |
| 2,4,6-Tribromophenol (S) | 66 | % | 23-110 | | 1 | 01/07/22 10:47 | 01/10/22 23:48 | 118-79-6 | |
| 8260 MSV 5035 | | | | | | | | | |
| Analytical Method: EPA 8260 Preparation Method: EPA 5035 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Acrolein | 5.6 U | ug/kg | 54.1 | 5.6 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 107-02-8 | |
| Acrylonitrile | 6.6 U | ug/kg | 54.1 | 6.6 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 107-13-1 | |
| Benzene | 1.1 U | ug/kg | 5.4 | 1.1 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 71-43-2 | |
| Bromodichloromethane | 1.2 U | ug/kg | 5.4 | 1.2 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 75-27-4 | |
| Bromoform | 1.2 U | ug/kg | 5.4 | 1.2 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 75-25-2 | |
| Bromomethane | 0.71 U | ug/kg | 5.4 | 0.71 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 74-83-9 | |
| Carbon tetrachloride | 1.3 U | ug/kg | 5.4 | 1.3 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 56-23-5 | |
| Chlorobenzene | 1.0 U | ug/kg | 5.4 | 1.0 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 108-90-7 | |
| Chloroethane | 0.53 U | ug/kg | 5.4 | 0.53 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 75-00-3 | J(v1) |
| 2-Chloroethylvinyl ether | 10.8 U | ug/kg | 21.6 | 10.8 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 110-75-8 | |
| Chloroform | 0.91 U | ug/kg | 5.4 | 0.91 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 67-66-3 | |
| Chloromethane | 0.96 U | ug/kg | 5.4 | 0.96 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 74-87-3 | |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 21.42 Acre Test
Pace Project No.: 35688572

Sample: SS-10 **Lab ID: 35688572010** Collected: 01/05/22 11:25 Received: 01/06/22 13:22 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 |
|----------------------------------------------------------|---------------|-------|--------|------|----|----------------|----------------|-----------|------|
| 8260 MSV 5035 | | | | | | | | | |
| Analytical Method: EPA 8260 Preparation Method: EPA 5035 | | | | | | | | | |
| Pace Analytical Services - Ormond Beach | | | | | | | | | |
| Dibromochloromethane | 0.94 U | ug/kg | 5.4 | 0.94 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 124-48-1 | |
| 1,2-Dichlorobenzene | 0.82 U | ug/kg | 5.4 | 0.82 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 95-50-1 | |
| 1,3-Dichlorobenzene | 0.98 U | ug/kg | 5.4 | 0.98 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 541-73-1 | |
| 1,4-Dichlorobenzene | 0.72 U | ug/kg | 5.4 | 0.72 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 106-46-7 | |
| Dichlorodifluoromethane | 0.93 U | ug/kg | 5.4 | 0.93 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 75-71-8 | |
| 1,1-Dichloroethane | 1.1 U | ug/kg | 5.4 | 1.1 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 75-34-3 | |
| 1,2-Dichloroethane | 0.83 U | ug/kg | 5.4 | 0.83 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 107-06-2 | |
| 1,1-Dichloroethene | 2.7 U | ug/kg | 5.4 | 2.7 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 75-35-4 | |
| trans-1,2-Dichloroethene | 1.4 U | ug/kg | 5.4 | 1.4 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 156-60-5 | |
| 1,2-Dichloropropane | 1.0 U | ug/kg | 5.4 | 1.0 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 78-87-5 | |
| 1,3-Dichloropropene | 2.7 U | ug/kg | 5.4 | 2.7 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 542-75-6 | |
| Ethylbenzene | 1.3 U | ug/kg | 5.4 | 1.3 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 100-41-4 | |
| Hexachloro-1,3-butadiene | 0.82 U | ug/kg | 5.4 | 0.82 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 87-68-3 | |
| Isopropylbenzene (Cumene) | 2.9 U | ug/kg | 5.4 | 2.9 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 98-82-8 | |
| Methylene Chloride | 4.8 U | ug/kg | 5.4 | 4.8 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 75-09-2 | |
| Methyl-tert-butyl ether | 1.6 U | ug/kg | 5.4 | 1.6 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 1634-04-4 | |
| 1,1,2,2-Tetrachloroethane | 0.66 U | ug/kg | 5.4 | 0.66 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 79-34-5 | |
| Tetrachloroethene | 1.3 U | ug/kg | 5.4 | 1.3 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 127-18-4 | |
| Toluene | 0.88 U | ug/kg | 5.4 | 0.88 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | 2.7 U | ug/kg | 5.4 | 2.7 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 120-82-1 | |
| 1,1,1-Trichloroethane | 1.4 U | ug/kg | 5.4 | 1.4 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 71-55-6 | |
| 1,1,2-Trichloroethane | 0.64 U | ug/kg | 5.4 | 0.64 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 79-00-5 | |
| Trichloroethene | 1.3 U | ug/kg | 5.4 | 1.3 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 79-01-6 | |
| Trichlorofluoromethane | 1.0 U | ug/kg | 5.4 | 1.0 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 75-69-4 | |
| 1,2,4-Trimethylbenzene | 3.0 U | ug/kg | 5.4 | 3.0 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | 1.4 U | ug/kg | 5.4 | 1.4 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 108-67-8 | |
| Vinyl chloride | 1.0 U | ug/kg | 5.4 | 1.0 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 75-01-4 | |
| Xylene (Total) | 5.6 U | ug/kg | 16.2 | 5.6 | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 1330-20-7 | |
| Surrogates | | | | | | | | | |
| 4-Bromofluorobenzene (S) | 91 | % | 68-125 | | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 460-00-4 | |
| Toluene-d8 (S) | 99 | % | 70-130 | | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 2037-26-5 | |
| 1,2-Dichlorobenzene-d4 (S) | 102 | % | 70-130 | | 1 | 01/07/22 08:31 | 01/07/22 19:16 | 2199-69-1 | |

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Ormond Beach

| | | | | | | | |
|------------------|-------------|---|------|------|---|--|----------------|
| Percent Moisture | 11.8 | % | 0.10 | 0.10 | 1 | | 01/18/22 14:25 |
|------------------|-------------|---|------|------|---|--|----------------|

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 21.42 Acre Test
Pace Project No.: 35688572

QC Batch: 1800383 Analysis Method: EPA 8141
QC Batch Method: 3546 Analysis Description: OP Pesticides 8141
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 35688572001, 35688572002, 35688572003, 35688572004, 35688572005, 35688572006

METHOD BLANK: R3749711-1 Matrix: Solid
Associated Lab Samples: 35688572001, 35688572002, 35688572003, 35688572004, 35688572005, 35688572006

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|---------|----------------|------------|
| Azinphos, methyl (Guthion) | mg/kg | 0.0318 U | 0.100 | 0.0318 | 01/12/22 20:57 | |
| Bolstar | mg/kg | 0.0149 U | 0.100 | 0.0149 | 01/12/22 20:57 | |
| Chlorpyrifos | mg/kg | 0.0157 U | 0.100 | 0.0157 | 01/12/22 20:57 | |
| Coumaphos | mg/kg | 0.0243 U | 0.100 | 0.0243 | 01/12/22 20:57 | |
| Total Demeton | mg/kg | 0.00584 U | 0.0700 | 0.00584 | 01/12/22 20:57 | |
| Diazinon | mg/kg | 0.0225 U | 0.100 | 0.0225 | 01/12/22 20:57 | |
| Dichlorvos | mg/kg | 0.0300 U | 0.100 | 0.0300 | 01/12/22 20:57 | |
| Dimethoate | mg/kg | 0.0334 U | 0.100 | 0.0334 | 01/12/22 20:57 | |
| Disulfoton | mg/kg | 0.0254 U | 0.100 | 0.0254 | 01/12/22 20:57 | |
| EPN (ENT) | mg/kg | 0.0276 U | 0.100 | 0.0276 | 01/12/22 20:57 | |
| Ethoprop | mg/kg | 0.0118 U | 0.100 | 0.0118 | 01/12/22 20:57 | |
| Parathion (Ethyl parathion) | mg/kg | 0.0164 U | 0.100 | 0.0164 | 01/12/22 20:57 | |
| Fensulfothion | mg/kg | 0.0353 U | 0.100 | 0.0353 | 01/12/22 20:57 | |
| Fenthion | mg/kg | 0.0133 U | 0.100 | 0.0133 | 01/12/22 20:57 | |
| Malathion | mg/kg | 0.0179 U | 0.100 | 0.0179 | 01/12/22 20:57 | |
| Merphos | mg/kg | 0.0232 U | 0.100 | 0.0232 | 01/12/22 20:57 | |
| Methyl parathion | mg/kg | 0.0203 U | 0.100 | 0.0203 | 01/12/22 20:57 | |
| Mevinphos | mg/kg | 0.0230 U | 0.100 | 0.0230 | 01/12/22 20:57 | |
| Naled | mg/kg | 0.0480 U | 0.100 | 0.0480 | 01/12/22 20:57 | |
| Phorate | mg/kg | 0.0210 U | 0.100 | 0.0210 | 01/12/22 20:57 | |
| Ronnel | mg/kg | 0.0149 U | 0.100 | 0.0149 | 01/12/22 20:57 | |
| Stirophos (Tetrachlorvinphos) | mg/kg | 0.0178 U | 0.100 | 0.0178 | 01/12/22 20:57 | |
| Sulfotepp (Thiodiphosphoric Ac | mg/kg | 0.00986 U | 0.100 | 0.00986 | 01/12/22 20:57 | |
| TEPP | mg/kg | 0.157 U | 1.00 | 0.157 | 01/12/22 20:57 | |
| Tokuthion (Prothiofos) | mg/kg | 0.0150 U | 0.100 | 0.0150 | 01/12/22 20:57 | |
| Trichloronate | mg/kg | 0.0201 U | 0.100 | 0.0201 | 01/12/22 20:57 | |
| Triphenylphosphate (S) | % | 109 | 36.0-121 | | 01/12/22 20:57 | |

LABORATORY CONTROL SAMPLE: R3749711-2

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Azinphos, methyl (Guthion) | mg/kg | 0.333 | 0.365 | 110 | 58.0-125 | |
| Bolstar | mg/kg | 0.333 | 0.358 | 108 | 64.0-120 | |
| Chlorpyrifos | mg/kg | 0.333 | 0.359 | 108 | 62.0-120 | |
| Coumaphos | mg/kg | 0.333 | 0.367 | 110 | 60.0-120 | |
| Total Demeton | mg/kg | 0.167 | 0.175 | 105 | 59.0-120 | |
| Diazinon | mg/kg | 0.333 | 0.266 | 79.9 | 49.0-120 | |
| Dichlorvos | mg/kg | 0.333 | 0.262 | 78.7 | 37.0-120 | |
| Dimethoate | mg/kg | 0.333 | 0.338 | 102 | 46.0-127 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 21.42 Acre Test

Pace Project No.: 35688572

LABORATORY CONTROL SAMPLE: R3749711-2

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| Disulfoton | mg/kg | 0.333 | 0.360 | 108 | 60.0-121 | |
| EPN (ENT) | mg/kg | 0.333 | 0.403 | 121 | 60.0-121 | |
| Ethoprop | mg/kg | 0.333 | 0.370 | 111 | 59.0-120 | |
| Parathion (Ethyl parathion) | mg/kg | 0.333 | 0.377 | 113 | 62.0-120 | |
| Fensulfothion | mg/kg | 0.333 | 0.333 | 100 | 58.0-123 | |
| Fenthion | mg/kg | 0.333 | 0.337 | 101 | 61.0-121 | |
| Malathion | mg/kg | 0.333 | 0.355 | 107 | 59.0-120 | |
| Merphos | mg/kg | 0.333 | 0.317 | 95.2 | 59.0-120 | |
| Methyl parathion | mg/kg | 0.333 | 0.368 | 111 | 63.0-120 | |
| Mevinphos | mg/kg | 0.333 | 0.320 | 96.1 | 50.0-120 | |
| Naled | mg/kg | 0.333 | 0.183 | 55.0 | 10.0-125 | |
| Phorate | mg/kg | 0.333 | 0.368 | 111 | 60.0-120 | |
| Ronnel | mg/kg | 0.333 | 0.329 | 98.8 | 62.0-120 | |
| Stirophos (Tetrachlorvinphos) | mg/kg | 0.333 | 0.357 | 107 | 62.0-120 | |
| Sulfotepp (Thiodiphosphoric Ac | mg/kg | 0.333 | 0.380 | 114 | 62.0-122 | |
| TEPP | mg/kg | 3.33 | 0.566 | 17.0 | 10.0-135 | |
| Tokuthion (Prothiofos) | mg/kg | 0.333 | 0.359 | 108 | 63.0-120 | |
| Trichloronate | mg/kg | 0.333 | 0.381 | 114 | 62.0-120 | |
| Triphenylphosphate (S) | % | | | 106 | 36.0-121 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 21.42 Acre Test
Pace Project No.: 35688572

QC Batch: 1800806 Analysis Method: EPA 8151
QC Batch Method: 8151A Analysis Description: Chlorinated Herb. (GC) 8151
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 35688572001, 35688572002, 35688572005, 35688572006

METHOD BLANK: R3750703-1 Matrix: Solid
Associated Lab Samples: 35688572001, 35688572002, 35688572005, 35688572006

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-------------------|-------|--------------|-----------------|---------|----------------|------------|
| 2,4-D | mg/kg | 0.00702 U | 0.0700 | 0.00702 | 01/16/22 17:18 | |
| Dalapon | mg/kg | 0.0113 U | 0.0700 | 0.0113 | 01/16/22 17:18 | |
| 2,4-DB | mg/kg | 0.0297 U | 0.0700 | 0.0297 | 01/16/22 17:18 | |
| Dicamba | mg/kg | 0.0157 U | 0.0700 | 0.0157 | 01/16/22 17:18 | |
| Dichloroprop | mg/kg | 0.0245 U | 0.0700 | 0.0245 | 01/16/22 17:18 | |
| Dinoseb | mg/kg | 0.00697 U | 0.0700 | 0.00697 | 01/16/22 17:18 | |
| MCPA | mg/kg | 0.443 U | 6.50 | 0.443 | 01/16/22 17:18 | |
| MCPP | mg/kg | 0.367 U | 6.50 | 0.367 | 01/16/22 17:18 | |
| 2,4,5-T | mg/kg | 0.00852 U | 0.0700 | 0.00852 | 01/16/22 17:18 | |
| 2,4,5-TP (Silvex) | mg/kg | 0.0107 U | 0.0700 | 0.0107 | 01/16/22 17:18 | |
| 2,4-DCAA (S) | % | 67.7 | 22.0-132 | | 01/16/22 17:18 | |

LABORATORY CONTROL SAMPLE: R3750703-2

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-------------------|-------|-------------|------------|-----------|--------------|------------|
| 2,4-D | mg/kg | 0.167 | 0.119 | 71.3 | 40.0-120 | |
| Dalapon | mg/kg | 0.167 | 0.115 | 68.9 | 15.0-120 | |
| 2,4-DB | mg/kg | 0.167 | 0.120 | 71.9 | 25.0-143 | |
| Dicamba | mg/kg | 0.167 | 0.125 | 74.9 | 43.0-120 | |
| Dichloroprop | mg/kg | 0.167 | 0.113 | 67.7 | 32.0-129 | |
| Dinoseb | mg/kg | 0.167 | 0.0958 | 57.4 | 10.0-120 | |
| MCPA | mg/kg | 16.7 | 13.0 | 77.8 | 31.0-121 | |
| MCPP | mg/kg | 16.7 | 12.4 | 74.3 | 28.0-133 | |
| 2,4,5-T | mg/kg | 0.167 | 0.126 | 75.4 | 41.0-120 | |
| 2,4,5-TP (Silvex) | mg/kg | 0.167 | 0.126 | 75.4 | 42.0-120 | |
| 2,4-DCAA (S) | % | | | 65.9 | 22.0-132 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3750703-3 R3750703-4

| Parameter | Units | L1449010-01 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|--------------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|------|---------|------|
| 2,4-D | mg/kg | ND | 0.163 | 0.167 | 0.154 | 0.148 | 94.5 | 88.6 | 10.0-160 | 3.97 | 24 | |
| Dalapon | mg/kg | ND | 0.163 | 0.167 | 0.132 | 0.135 | 81.0 | 80.8 | 10.0-121 | 2.25 | 27 | P9 |
| 2,4-DB | mg/kg | ND | 0.163 | 0.167 | 0.148 | 0.144 | 90.8 | 86.2 | 10.0-160 | 2.74 | 22 | |
| Dicamba | mg/kg | ND | 0.163 | 0.167 | 0.127 | 0.127 | 77.9 | 76.0 | 10.0-154 | 0.00 | 21 | |
| Dichloroprop | mg/kg | ND | 0.163 | 0.167 | 0.131 | 0.140 | 80.4 | 83.8 | 10.0-158 | 6.64 | 20 | |
| Dinoseb | mg/kg | ND | 0.163 | 0.167 | 0.103 | 0.101 | 63.2 | 60.5 | 10.0-120 | 1.96 | 40 | |

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QUALITY CONTROL DATA

Project: 21.42 Acre Test

Pace Project No.: 35688572

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3750703-3 R3750703-4 | | | | | | | | | | | |
|--------------------------------------------------------------|-------|-------------|-------------|-------------|--------|--------|--------|--------|----------|-------|------|
| Parameter | Units | L1449010-01 | | MS | | MSD | | MS | | MSD | |
| | | Result | Spike Conc. | Spike Conc. | Result | Result | Result | % Rec | % Rec | % Rec | Max |
| | | | | | | | | Limits | RPD | RPD | Qual |
| MCPA | mg/kg | ND | 16.3 | 16.7 | 12.2 | 10.2 | 74.8 | 61.1 | 10.0-160 | 17.9 | 40 |
| MCP | mg/kg | ND | 16.3 | 16.7 | 12.9 | 13.3 | 79.1 | 79.6 | 10.0-160 | 3.05 | 40 |
| 2,4,5-T | mg/kg | ND | 0.163 | 0.167 | 0.127 | 0.125 | 77.9 | 74.9 | 10.0-157 | 1.59 | 20 |
| 2,4,5-TP (Silvex) | mg/kg | ND | 0.163 | 0.167 | 0.124 | 0.126 | 76.1 | 75.4 | 10.0-156 | 1.60 | 20 |
| 2,4-DCAA (S) | % | | | | | | 65.0 | 65.9 | 22.0-132 | | |

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QUALITY CONTROL DATA

Project: 21.42 Acre Test

Pace Project No.: 35688572

QC Batch: 792995

Analysis Method: EPA 7471

QC Batch Method: EPA 7471

Analysis Description: 7471 Mercury

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35688572001, 35688572002, 35688572005, 35688572006, 35688572007

METHOD BLANK: 4354660

Matrix: Solid

Associated Lab Samples: 35688572001, 35688572002, 35688572005, 35688572006, 35688572007

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|--------|----------------|------------|
| Mercury | mg/kg | 0.0047 U | 0.0095 | 0.0047 | 01/20/22 11:02 | |

LABORATORY CONTROL SAMPLE: 4354661

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Mercury | mg/kg | 0.095 | 0.091 | 96 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4354662 4354663

| Parameter | Units | 35688572001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Mercury | mg/kg | 0.012 | 0.11 | 0.11 | 0.11 | 0.11 | 91 | 91 | 80-120 | 1 | 20 | |

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QUALITY CONTROL DATA

Project: 21.42 Acre Test
Pace Project No.: 35688572

| | | | |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------|
| QC Batch: | 792437 | Analysis Method: | EPA 6010 |
| QC Batch Method: | EPA 3050 | Analysis Description: | 6010 MET Solid |
| | | Laboratory: | Pace Analytical Services - Ormond Beach |
| Associated Lab Samples: | 35688572001, 35688572002, 35688572003, 35688572004, 35688572005, 35688572006, 35688572007, 35688572008, 35688572009, 35688572010 | | |

METHOD BLANK: 4351719 Matrix: Solid
Associated Lab Samples: 35688572001, 35688572002, 35688572003, 35688572004, 35688572005, 35688572006, 35688572007, 35688572008, 35688572009, 35688572010

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|-----------|-------|--------------|-----------------|-------|----------------|------------|
| Arsenic | mg/kg | 0.28 U | 0.56 | 0.28 | 01/17/22 08:06 | |
| Barium | mg/kg | 0.094 U | 0.56 | 0.094 | 01/17/22 08:06 | |
| Cadmium | mg/kg | 0.028 U | 0.056 | 0.028 | 01/17/22 08:06 | |
| Chromium | mg/kg | 0.14 U | 0.28 | 0.14 | 01/17/22 08:06 | |
| Lead | mg/kg | 0.28 U | 0.56 | 0.28 | 01/17/22 08:06 | |
| Selenium | mg/kg | 0.42 U | 0.84 | 0.42 | 01/17/22 08:06 | |
| Silver | mg/kg | 0.062 U | 0.28 | 0.062 | 01/17/22 08:06 | |

LABORATORY CONTROL SAMPLE: 4351720

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Arsenic | mg/kg | 13.7 | 12.8 | 94 | 80-120 | |
| Barium | mg/kg | 13.7 | 14.2 | 104 | 80-120 | |
| Cadmium | mg/kg | 1.4 | 1.3 | 99 | 80-120 | |
| Chromium | mg/kg | 13.7 | 13.9 | 102 | 80-120 | |
| Lead | mg/kg | 13.7 | 13.7 | 100 | 80-120 | |
| Selenium | mg/kg | 13.7 | 12.4 | 91 | 80-120 | |
| Silver | mg/kg | 1.4 | 1.3 | 93 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4351721 4351722

| Parameter | Units | 35688572008 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Arsenic | mg/kg | 1.6 | 14.3 | 16.4 | 14.7 | 16.6 | 92 | 91 | 75-125 | 12 | 20 | |
| Barium | mg/kg | 11.7 | 14.3 | 16.4 | 23.7 | 25.2 | 84 | 83 | 75-125 | 6 | 20 | |
| Cadmium | mg/kg | 0.37 | 1.4 | 1.7 | 1.4 | 1.6 | 75 | 78 | 75-125 | 13 | 20 | |
| Chromium | mg/kg | 15.3 | 14.3 | 16.4 | 28.9 | 31.0 | 95 | 96 | 75-125 | 7 | 20 | |
| Lead | mg/kg | 0.73 | 14.3 | 16.4 | 11.9 | 13.7 | 79 | 79 | 75-125 | 14 | 20 | |
| Selenium | mg/kg | 0.42 U | 14.3 | 16.4 | 13.0 | 14.9 | 89 | 89 | 75-125 | 13 | 20 | |
| Silver | mg/kg | 0.061 U | 1.4 | 1.7 | 1.4 | 1.6 | 101 | 101 | 75-125 | 13 | 20 | |

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QUALITY CONTROL DATA

Project: 21.42 Acre Test
Pace Project No.: 35688572

| | | | |
|------------------|----------|-----------------------|-----------------------------------------|
| QC Batch: | 790633 | Analysis Method: | EPA 8260 |
| QC Batch Method: | EPA 5035 | Analysis Description: | 8260 MSV 5035 |
| | | Laboratory: | Pace Analytical Services - Ormond Beach |

Associated Lab Samples: 35688572008, 35688572009, 35688572010

METHOD BLANK: 4338895 Matrix: Solid

Associated Lab Samples: 35688572008, 35688572009, 35688572010

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|---------------------------|-------|--------------|-----------------|------|----------------|------------|
| 1,1,1-Trichloroethane | ug/kg | 1.3 U | 4.8 | 1.3 | 01/07/22 10:45 | |
| 1,1,2,2-Tetrachloroethane | ug/kg | 0.59 U | 4.8 | 0.59 | 01/07/22 10:45 | |
| 1,1,2-Trichloroethane | ug/kg | 0.57 U | 4.8 | 0.57 | 01/07/22 10:45 | |
| 1,1-Dichloroethane | ug/kg | 0.95 U | 4.8 | 0.95 | 01/07/22 10:45 | |
| 1,1-Dichloroethene | ug/kg | 2.4 U | 4.8 | 2.4 | 01/07/22 10:45 | |
| 1,2,4-Trichlorobenzene | ug/kg | 2.4 U | 4.8 | 2.4 | 01/07/22 10:45 | |
| 1,2,4-Trimethylbenzene | ug/kg | 2.7 U | 4.8 | 2.7 | 01/07/22 10:45 | |
| 1,2-Dichlorobenzene | ug/kg | 0.74 U | 4.8 | 0.74 | 01/07/22 10:45 | |
| 1,2-Dichloroethane | ug/kg | 0.75 U | 4.8 | 0.75 | 01/07/22 10:45 | |
| 1,2-Dichloropropane | ug/kg | 0.89 U | 4.8 | 0.89 | 01/07/22 10:45 | |
| 1,3,5-Trimethylbenzene | ug/kg | 1.3 U | 4.8 | 1.3 | 01/07/22 10:45 | |
| 1,3-Dichlorobenzene | ug/kg | 0.88 U | 4.8 | 0.88 | 01/07/22 10:45 | |
| 1,3-Dichloropropene | ug/kg | 2.4 U | 4.8 | 2.4 | 01/07/22 10:45 | |
| 1,4-Dichlorobenzene | ug/kg | 0.65 U | 4.8 | 0.65 | 01/07/22 10:45 | |
| 2-Chloroethylvinyl ether | ug/kg | 9.7 U | 19.4 | 9.7 | 01/07/22 10:45 | |
| Acrolein | ug/kg | 5.0 U | 48.4 | 5.0 | 01/07/22 10:45 | |
| Acrylonitrile | ug/kg | 5.9 U | 48.4 | 5.9 | 01/07/22 10:45 | |
| Benzene | ug/kg | 0.97 U | 4.8 | 0.97 | 01/07/22 10:45 | |
| Bromodichloromethane | ug/kg | 1.1 U | 4.8 | 1.1 | 01/07/22 10:45 | |
| Bromoform | ug/kg | 1.1 U | 4.8 | 1.1 | 01/07/22 10:45 | |
| Bromomethane | ug/kg | 0.64 U | 4.8 | 0.64 | 01/07/22 10:45 | |
| Carbon tetrachloride | ug/kg | 1.2 U | 4.8 | 1.2 | 01/07/22 10:45 | |
| Chlorobenzene | ug/kg | 0.90 U | 4.8 | 0.90 | 01/07/22 10:45 | |
| Chloroethane | ug/kg | 0.47 U | 4.8 | 0.47 | 01/07/22 10:45 | J(v1) |
| Chloroform | ug/kg | 0.81 U | 4.8 | 0.81 | 01/07/22 10:45 | |
| Chloromethane | ug/kg | 0.86 U | 4.8 | 0.86 | 01/07/22 10:45 | |
| Dibromochloromethane | ug/kg | 0.84 U | 4.8 | 0.84 | 01/07/22 10:45 | |
| Dichlorodifluoromethane | ug/kg | 0.83 U | 4.8 | 0.83 | 01/07/22 10:45 | |
| Ethylbenzene | ug/kg | 1.2 U | 4.8 | 1.2 | 01/07/22 10:45 | |
| Hexachloro-1,3-butadiene | ug/kg | 0.74 U | 4.8 | 0.74 | 01/07/22 10:45 | |
| Isopropylbenzene (Cumene) | ug/kg | 2.6 U | 4.8 | 2.6 | 01/07/22 10:45 | |
| Methyl-tert-butyl ether | ug/kg | 1.5 U | 4.8 | 1.5 | 01/07/22 10:45 | |
| Methylene Chloride | ug/kg | 4.3 U | 4.8 | 4.3 | 01/07/22 10:45 | |
| Tetrachloroethene | ug/kg | 1.2 U | 4.8 | 1.2 | 01/07/22 10:45 | |
| Toluene | ug/kg | 0.78 U | 4.8 | 0.78 | 01/07/22 10:45 | |
| trans-1,2-Dichloroethene | ug/kg | 1.3 U | 4.8 | 1.3 | 01/07/22 10:45 | |
| Trichloroethene | ug/kg | 1.2 U | 4.8 | 1.2 | 01/07/22 10:45 | |
| Trichlorofluoromethane | ug/kg | 0.89 U | 4.8 | 0.89 | 01/07/22 10:45 | |
| Vinyl chloride | ug/kg | 0.90 U | 4.8 | 0.90 | 01/07/22 10:45 | |
| Xylene (Total) | ug/kg | 5.0 U | 14.5 | 5.0 | 01/07/22 10:45 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 21.42 Acre Test

Pace Project No.: 35688572

METHOD BLANK: 4338895

Matrix: Solid

Associated Lab Samples: 35688572008, 35688572009, 35688572010

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|----------------------------|-------|--------------|-----------------|-----|----------------|------------|
| 1,2-Dichlorobenzene-d4 (S) | % | 102 | 70-130 | | 01/07/22 10:45 | |
| 4-Bromofluorobenzene (S) | % | 94 | 68-125 | | 01/07/22 10:45 | |
| Toluene-d8 (S) | % | 100 | 70-130 | | 01/07/22 10:45 | |

LABORATORY CONTROL SAMPLE: 4338896

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1-Trichloroethane | ug/kg | 19.5 | 20.1 | 103 | 70-130 | |
| 1,1,2,2-Tetrachloroethane | ug/kg | 19.5 | 19.8 | 102 | 70-130 | |
| 1,1,2-Trichloroethane | ug/kg | 19.5 | 20.1 | 103 | 70-130 | |
| 1,1-Dichloroethane | ug/kg | 19.5 | 21.3 | 109 | 70-130 | |
| 1,1-Dichloroethene | ug/kg | 19.5 | 20.9 | 107 | 62-131 | |
| 1,2,4-Trichlorobenzene | ug/kg | 19.5 | 22.6 | 116 | 70-130 | |
| 1,2,4-Trimethylbenzene | ug/kg | 19.5 | 21.6 | 111 | 70-130 | |
| 1,2-Dichlorobenzene | ug/kg | 19.5 | 20.7 | 106 | 70-130 | |
| 1,2-Dichloroethane | ug/kg | 19.5 | 20.7 | 106 | 70-130 | |
| 1,2-Dichloropropane | ug/kg | 19.5 | 18.7 | 96 | 70-130 | |
| 1,3,5-Trimethylbenzene | ug/kg | 19.5 | 21.6 | 111 | 70-130 | |
| 1,3-Dichlorobenzene | ug/kg | 19.5 | 21.9 | 113 | 70-130 | |
| 1,3-Dichloropropene | ug/kg | | 39.3 | | | |
| 1,4-Dichlorobenzene | ug/kg | 19.5 | 21.5 | 110 | 70-130 | |
| 2-Chloroethylvinyl ether | ug/kg | 97.5 | 99.7 | 102 | 20-150 | |
| Acrolein | ug/kg | 97.5 | 94.8 | 97 | 20-170 | |
| Acrylonitrile | ug/kg | 97.5 | 101 | 104 | 67-127 | |
| Benzene | ug/kg | 19.5 | 19.9 | 102 | 70-130 | |
| Bromodichloromethane | ug/kg | 19.5 | 19.2 | 98 | 70-130 | |
| Bromoform | ug/kg | 19.5 | 20.9 | 107 | 54-129 | |
| Bromomethane | ug/kg | 19.5 | 20.1 | 103 | 58-144 | |
| Carbon tetrachloride | ug/kg | 19.5 | 20.8 | 107 | 63-137 | |
| Chlorobenzene | ug/kg | 19.5 | 20.3 | 104 | 70-130 | |
| Chloroethane | ug/kg | 19.5 | 24.0 | 123 | 40-165 J(v1) | |
| Chloroform | ug/kg | 19.5 | 19.3 | 99 | 70-130 | |
| Chloromethane | ug/kg | 19.5 | 21.5 | 110 | 64-127 | |
| Dibromochloromethane | ug/kg | 19.5 | 19.3 | 99 | 70-130 | |
| Dichlorodifluoromethane | ug/kg | 19.5 | 22.3 | 114 | 51-143 | |
| Ethylbenzene | ug/kg | 19.5 | 20.3 | 104 | 70-130 | |
| Hexachloro-1,3-butadiene | ug/kg | 19.5 | 21.2 | 109 | 70-130 | |
| Isopropylbenzene (Cumene) | ug/kg | 19.5 | 20.4 | 105 | 70-130 | |
| Methyl-tert-butyl ether | ug/kg | 19.5 | 18.7 | 96 | 65-124 | |
| Methylene Chloride | ug/kg | 19.5 | 20.1 | 103 | 51-142 | |
| Tetrachloroethene | ug/kg | 19.5 | 19.5 | 100 | 70-130 | |
| Toluene | ug/kg | 19.5 | 20.2 | 104 | 70-130 | |
| trans-1,2-Dichloroethene | ug/kg | 19.5 | 21.0 | 107 | 70-130 | |
| Trichloroethene | ug/kg | 19.5 | 18.6 | 95 | 70-130 | |

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QUALITY CONTROL DATA

Project: 21.42 Acre Test
Pace Project No.: 35688572

LABORATORY CONTROL SAMPLE: 4338896

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Trichlorofluoromethane | ug/kg | 19.5 | 22.3 | 114 | 60-148 | |
| Vinyl chloride | ug/kg | 19.5 | 20.5 | 105 | 69-124 | |
| Xylene (Total) | ug/kg | 58.5 | 62.8 | 107 | 70-130 | |
| 1,2-Dichlorobenzene-d4 (S) | % | | | 101 | 70-130 | |
| 4-Bromofluorobenzene (S) | % | | | 99 | 68-125 | |
| Toluene-d8 (S) | % | | | 95 | 70-130 | |

MATRIX SPIKE SAMPLE: 4338899

| Parameter | Units | 35688264002 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|--------------------|-------------|-----------|----------|--------------|------------|
| 1,1,1-Trichloroethane | ug/kg | 0.0012 U mg/kg | 20.9 | 17.8 | 85 | 70-130 | |
| 1,1,2,2-Tetrachloroethane | ug/kg | 0.00057 U mg/kg | 20.9 | 15.6 | 74 | 70-130 | |
| 1,1,2-Trichloroethane | ug/kg | 0.00055 U mg/kg | 20.9 | 15.9 | 76 | 70-130 | |
| 1,1-Dichloroethane | ug/kg | 0.00091 U mg/kg | 20.9 | 19.6 | 94 | 70-130 | |
| 1,1-Dichloroethene | ug/kg | 0.0023 U mg/kg | 20.9 | 20.9 | 100 | 62-131 | |
| 1,2,4-Trichlorobenzene | ug/kg | 0.0023 U mg/kg | 20.9 | 4.3 I | 21 | 70-130 J(M1) | |
| 1,2,4-Trimethylbenzene | ug/kg | 0.0026 U mg/kg | 20.9 | 4.7 I | 23 | 70-130 J(M1) | |
| 1,2-Dichlorobenzene | ug/kg | 0.00071 U mg/kg | 20.9 | 6.4 | 30 | 70-130 J(M1) | |
| 1,2-Dichloroethane | ug/kg | 0.00072 U mg/kg | 20.9 | 18.7 | 89 | 70-130 | |
| 1,2-Dichloropropane | ug/kg | 0.00086 U mg/kg | 20.9 | 15.7 | 75 | 70-130 | |
| 1,3,5-Trimethylbenzene | ug/kg | 0.0012 U mg/kg | 20.9 | 5.2 I | 25 | 70-130 J(M1) | |
| 1,3-Dichlorobenzene | ug/kg | 0.00085 U mg/kg | 20.9 | 5.2 I | 25 | 70-130 J(M1) | |
| 1,3-Dichloropropene | ug/kg | 0.0023 U mg/kg | | 26.1 | | | |
| 1,4-Dichlorobenzene | ug/kg | 0.00062 U mg/kg | 20.9 | 5.3 | 25 | 70-130 J(M1) | |
| 2-Chloroethylvinyl ether | ug/kg | 0.0093 U mg/kg | 105 | 85.8 | 82 | 20-150 | |
| Acrolein | ug/kg | 0.0048 U mg/kg | 105 | 14.2 I | 14 | 20-170 J(M1) | |
| Acrylonitrile | ug/kg | 0.0057 U mg/kg | 105 | 58.4 | 56 | 67-127 J(M1) | |
| Benzene | ug/kg | 0.00093 U mg/kg | 20.9 | 15.6 | 74 | 70-130 | |
| Bromodichloromethane | ug/kg | 0.0010 U mg/kg | 20.9 | 15.0 | 72 | 70-130 | |
| Bromoform | ug/kg | 0.0010 U mg/kg | 20.9 | 13.3 | 64 | 54-129 | |
| Bromomethane | ug/kg | 0.00062 U mg/kg | 20.9 | 20.6 | 98 | 58-144 | |
| Carbon tetrachloride | ug/kg | 0.0011 U mg/kg | 20.9 | 17.7 | 84 | 63-137 | |
| Chlorobenzene | ug/kg | 0.00087 U mg/kg | 20.9 | 8.8 | 42 | 70-130 J(M1) | |
| Chloroethane | ug/kg | 0.00046 U mg/kg | 20.9 | 27.2 | 130 | 40-165 J(v1) | |
| Chloroform | ug/kg | 0.00078 U mg/kg | 20.9 | 16.7 | 79 | 70-130 | |

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QUALITY CONTROL DATA

Project: 21.42 Acre Test
Pace Project No.: 35688572

| MATRIX SPIKE SAMPLE: 4338899 | | 35688264002 | Spike | MS | MS | % Rec | |
|------------------------------|-------|--------------------|-------|--------|-------|--------------|------------|
| Parameter | Units | Result | Conc. | Result | % Rec | Limits | Qualifiers |
| Chloromethane | ug/kg | 0.00083 U mg/kg | 20.9 | 23.6 | 113 | 64-127 | |
| Dibromochloromethane | ug/kg | 0.00081 U mg/kg | 20.9 | 14.0 | 67 | 70-130 J(M1) | |
| Dichlorodifluoromethane | ug/kg | 0.00080 U mg/kg | 20.9 | 30.7 | 147 | 51-143 J(M1) | |
| Ethylbenzene | ug/kg | 0.0011 U mg/kg | 20.9 | 7.5 | 36 | 70-130 J(M1) | |
| Hexachloro-1,3-butadiene | ug/kg | 0.00071 U mg/kg | 20.9 | 1.8 I | 9 | 70-130 J(M1) | |
| Isopropylbenzene (Cumene) | ug/kg | 0.0025 U mg/kg | 20.9 | 5.3 | 25 | 70-130 J(M1) | |
| Methyl-tert-butyl ether | ug/kg | 0.0014 U mg/kg | 20.9 | 18.8 | 90 | 65-124 | |
| Methylene Chloride | ug/kg | 0.0041 U mg/kg | 20.9 | 16.3 | 78 | 51-142 | |
| Tetrachloroethene | ug/kg | 0.0011 U mg/kg | 20.9 | 10.3 | 49 | 70-130 J(M1) | |
| Toluene | ug/kg | 0.00076 U mg/kg | 20.9 | 12.3 | 59 | 70-130 J(M1) | |
| trans-1,2-Dichloroethene | ug/kg | 0.0012 U mg/kg | 20.9 | 17.5 | 84 | 70-130 | |
| Trichloroethene | ug/kg | 0.0011 U mg/kg | 20.9 | 13.9 | 66 | 70-130 J(M1) | |
| Trichlorofluoromethane | ug/kg | 0.00086 U mg/kg | 20.9 | 27.4 | 131 | 60-148 | |
| Vinyl chloride | ug/kg | 0.00087 U mg/kg | 20.9 | 23.8 | 114 | 69-124 | |
| Xylene (Total) | ug/kg | 0.0048 U mg/kg | 62.8 | 20.7 | 33 | 70-130 MS | |
| 1,2-Dichlorobenzene-d4 (S) | % | | | | 100 | 70-130 | |
| 4-Bromofluorobenzene (S) | % | | | | 96 | 68-125 | |
| Toluene-d8 (S) | % | | | | 95 | 70-130 | |

SAMPLE DUPLICATE: 4338898

| Parameter | Units | 35688264001 | Dup | RPD | Max | |
|---------------------------|-------|--------------------|--------|-----|-----|------------|
| | | Result | Result | | RPD | Qualifiers |
| 1,1,1-Trichloroethane | ug/kg | 0.0017 U mg/kg | 1.6 U | | 40 | |
| 1,1,2,2-Tetrachloroethane | ug/kg | 0.00078 U mg/kg | 0.75 U | | 40 | |
| 1,1,2-Trichloroethane | ug/kg | 0.00076 U mg/kg | 0.73 U | | 40 | |
| 1,1-Dichloroethane | ug/kg | 0.0013 U mg/kg | 1.2 U | | 40 | |
| 1,1-Dichloroethene | ug/kg | 0.0032 U mg/kg | 3.1 U | | 40 | |
| 1,2,4-Trichlorobenzene | ug/kg | 0.0032 U mg/kg | 3.1 U | | 40 | |
| 1,2,4-Trimethylbenzene | ug/kg | 0.0036 U mg/kg | 3.4 U | | 40 | |
| 1,2-Dichlorobenzene | ug/kg | 0.00098 U mg/kg | 0.93 U | | 40 | |
| 1,2-Dichloroethane | ug/kg | 0.00099 U mg/kg | 0.95 U | | 40 | |
| 1,2-Dichloropropane | ug/kg | 0.0012 U mg/kg | 1.1 U | | 40 | |

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QUALITY CONTROL DATA

Project: 21.42 Acre Test

Pace Project No.: 35688572

SAMPLE DUPLICATE: 4338898

| Parameter | Units | 35688264001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---------------------------|-------|-----------------------|---------------|-----|------------|------------|
| 1,3,5-Trimethylbenzene | ug/kg | 0.0017 U mg/kg | 1.6 U | | 40 | |
| 1,3-Dichlorobenzene | ug/kg | 0.0012 U mg/kg | 1.1 U | | 40 | |
| 1,3-Dichloropropene | ug/kg | 0.0032 U mg/kg | 3.1 U | | 40 | |
| 1,4-Dichlorobenzene | ug/kg | 0.00086 U mg/kg | 0.82 U | | 40 | |
| 2-Chloroethylvinyl ether | ug/kg | 0.013 U mg/kg | 12.3 U | | 40 | |
| Acrolein | ug/kg | 0.0067 U mg/kg | 6.4 U | | 40 | |
| Acrylonitrile | ug/kg | 0.0078 U mg/kg | 7.5 U | | 40 | |
| Benzene | ug/kg | 0.0013 U mg/kg | 1.2 U | | 40 | |
| Bromodichloromethane | ug/kg | 0.0014 U mg/kg | 1.4 U | | 40 | |
| Bromoform | ug/kg | 0.0014 U mg/kg | 1.4 U | | 40 | |
| Bromomethane | ug/kg | 0.00085 U mg/kg | 0.81 U | | 40 | |
| Carbon tetrachloride | ug/kg | 0.0015 U mg/kg | 1.5 U | | 40 | |
| Chlorobenzene | ug/kg | 0.0012 U mg/kg | 1.1 U | | 40 | |
| Chloroethane | ug/kg | 0.00063 U mg/kg | 0.60 U | | 40 J(v1) | |
| Chloroform | ug/kg | 0.0011 U mg/kg | 1.0 U | | 40 | |
| Chloromethane | ug/kg | 0.0011 U mg/kg | 1.1 U | | 40 | |
| Dibromochloromethane | ug/kg | 0.0011 U mg/kg | 1.1 U | | 40 | |
| Dichlorodifluoromethane | ug/kg | 0.0011 U mg/kg | 1.1 U | | 40 | |
| Ethylbenzene | ug/kg | 0.0015 U mg/kg | 1.5 U | | 40 | |
| Hexachloro-1,3-butadiene | ug/kg | 0.00098 U mg/kg | 0.93 U | | 40 | |
| Isopropylbenzene (Cumene) | ug/kg | 0.0035 U mg/kg | 3.3 U | | 40 | |
| Methyl-tert-butyl ether | ug/kg | 0.0019 U mg/kg | 1.8 U | | 40 | |
| Methylene Chloride | ug/kg | 0.0057 U mg/kg | 5.4 U | | 40 | |
| Tetrachloroethene | ug/kg | 0.0015 U mg/kg | 1.5 U | | 40 | |
| Toluene | ug/kg | 0.0010 U mg/kg | 1.0 U | | 40 | |
| trans-1,2-Dichloroethene | ug/kg | 0.0017 U mg/kg | 1.6 U | | 40 | |
| Trichloroethene | ug/kg | 0.0015 U mg/kg | 1.5 U | | 40 | |

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QUALITY CONTROL DATA

Project: 21.42 Acre Test

Pace Project No.: 35688572

SAMPLE DUPLICATE: 4338898

| Parameter | Units | 35688264001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|----------------------------|-------|-----------------------|---------------|-----|------------|------------|
| Trichlorofluoromethane | ug/kg | 0.0012 U | 1.1 U | | 40 | |
| | | mg/kg | | | | |
| Vinyl chloride | ug/kg | 0.0012 U | 1.1 U | | 40 | |
| | | mg/kg | | | | |
| Xylene (Total) | ug/kg | 0.0066 U | 6.3 U | | 40 | |
| | | mg/kg | | | | |
| 1,2-Dichlorobenzene-d4 (S) | % | 96 | 98 | | 40 | |
| 4-Bromofluorobenzene (S) | % | 93 | 92 | | 40 | |
| Toluene-d8 (S) | % | 93 | 93 | | 40 | |

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QUALITY CONTROL DATA

Project: 21.42 Acre Test
Pace Project No.: 35688572

| | | | |
|------------------|----------|-----------------------|-----------------------------------------|
| QC Batch: | 790784 | Analysis Method: | EPA 8081 |
| QC Batch Method: | EPA 3546 | Analysis Description: | 8081 GCS Pesticides |
| | | Laboratory: | Pace Analytical Services - Ormond Beach |

Associated Lab Samples: 35688572001, 35688572002, 35688572003, 35688572004, 35688572005, 35688572006, 35688572007

METHOD BLANK: 4339964

Matrix: Solid

Associated Lab Samples: 35688572001, 35688572002, 35688572003, 35688572004, 35688572005, 35688572006, 35688572007

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------|----------------|------------|
| 4,4'-DDD | mg/kg | 0.000075 U | 0.0017 | 0.000075 | 01/09/22 18:15 | |
| 4,4'-DDE | mg/kg | 0.000066 U | 0.0017 | 0.000066 | 01/09/22 18:15 | |
| 4,4'-DDT | mg/kg | 0.000093 U | 0.0017 | 0.000093 | 01/09/22 18:15 | |
| Aldrin | mg/kg | 0.00017 U | 0.0017 | 0.00017 | 01/09/22 18:15 | |
| alpha-BHC | mg/kg | 0.000046 U | 0.0017 | 0.000046 | 01/09/22 18:15 | |
| beta-BHC | mg/kg | 0.00020 U | 0.0017 | 0.00020 | 01/09/22 18:15 | |
| Chlordane (Technical) | mg/kg | 0.0051 U | 0.017 | 0.0051 | 01/09/22 18:15 | |
| delta-BHC | mg/kg | 0.000086 U | 0.0017 | 0.000086 | 01/09/22 18:15 | |
| Dieldrin | mg/kg | 0.000064 U | 0.0017 | 0.000064 | 01/09/22 18:15 | |
| Endosulfan I | mg/kg | 0.00019 U | 0.0017 | 0.00019 | 01/09/22 18:15 | |
| Endosulfan II | mg/kg | 0.000075 U | 0.0017 | 0.000075 | 01/09/22 18:15 | |
| Endosulfan sulfate | mg/kg | 0.000066 U | 0.0017 | 0.000066 | 01/09/22 18:15 | |
| Endrin | mg/kg | 0.000084 U | 0.0017 | 0.000084 | 01/09/22 18:15 | |
| Endrin aldehyde | mg/kg | 0.00025 U | 0.0034 | 0.00025 | 01/09/22 18:15 | |
| Endrin ketone | mg/kg | 0.000078 U | 0.0017 | 0.000078 | 01/09/22 18:15 | |
| gamma-BHC (Lindane) | mg/kg | 0.000049 U | 0.0017 | 0.000049 | 01/09/22 18:15 | |
| Heptachlor | mg/kg | 0.00018 U | 0.0017 | 0.00018 | 01/09/22 18:15 | |
| Heptachlor epoxide | mg/kg | 0.000072 U | 0.0017 | 0.000072 | 01/09/22 18:15 | |
| Methoxychlor | mg/kg | 0.00025 U | 0.0017 | 0.00025 | 01/09/22 18:15 | |
| Toxaphene | mg/kg | 0.0073 U | 0.017 | 0.0073 | 01/09/22 18:15 | |
| Decachlorobiphenyl (S) | % | 92 | 43-157 | | 01/09/22 18:15 | |
| Tetrachloro-m-xylene (S) | % | 76 | 53-140 | | 01/09/22 18:15 | |

LABORATORY CONTROL SAMPLE: 4339965

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------|-------|-------------|------------|-----------|--------------|------------|
| 4,4'-DDD | mg/kg | 0.017 | 0.015 | 93 | 62-144 | |
| 4,4'-DDE | mg/kg | 0.017 | 0.016 | 97 | 67-141 | |
| 4,4'-DDT | mg/kg | 0.017 | 0.016 | 94 | 57-159 | |
| Aldrin | mg/kg | 0.017 | 0.016 | 99 | 70-136 | |
| alpha-BHC | mg/kg | 0.017 | 0.016 | 97 | 67-136 | |
| beta-BHC | mg/kg | 0.017 | 0.016 | 94 | 68-131 | |
| delta-BHC | mg/kg | 0.017 | 0.014 | 85 | 58-120 | |
| Dieldrin | mg/kg | 0.017 | 0.016 | 99 | 63-145 | |
| Endosulfan I | mg/kg | 0.017 | 0.016 | 97 | 66-129 | |
| Endosulfan II | mg/kg | 0.017 | 0.016 | 94 | 59-130 | |
| Endosulfan sulfate | mg/kg | 0.017 | 0.015 | 91 | 57-137 | |
| Endrin | mg/kg | 0.017 | 0.016 | 100 | 67-147 | |
| Endrin aldehyde | mg/kg | 0.017 | 0.017 | 102 | 54-144 | |

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QUALITY CONTROL DATA

Project: 21.42 Acre Test

Pace Project No.: 35688572

LABORATORY CONTROL SAMPLE: 4339965

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------|-------|-------------|------------|-----------|--------------|------------|
| Endrin ketone | mg/kg | 0.017 | 0.015 | 93 | 60-139 | |
| gamma-BHC (Lindane) | mg/kg | 0.017 | 0.016 | 97 | 69-137 | |
| Heptachlor | mg/kg | 0.017 | 0.017 | 104 | 68-135 | |
| Heptachlor epoxide | mg/kg | 0.017 | 0.016 | 99 | 68-135 | |
| Methoxychlor | mg/kg | 0.017 | 0.016 | 96 | 57-153 | |
| Decachlorobiphenyl (S) | % | | | 109 | 43-157 | |
| Tetrachloro-m-xylene (S) | % | | | 96 | 53-140 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4339966 4339967

| Parameter | Units | 35688572001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|--------------------------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|-------|
| 4,4'-DDD | mg/kg | 0.0031 | 0.02 | 0.02 | 0.022 | 0.019 | 98 | 81 | 62-144 | 16 | 40 | |
| 4,4'-DDE | mg/kg | 0.012 | 0.02 | 0.02 | 0.033 | 0.024 | 108 | 66 | 67-141 | 29 | 40 | J(M1) |
| 4,4'-DDT | mg/kg | 0.00062 | 0.02 | 0.02 | 0.018 | 0.020 | 89 | 98 | 57-159 | 10 | 40 | |
| Aldrin | mg/kg | 0.00020 | 0.02 | 0.02 | 0.017 | 0.015 | 86 | 78 | 70-136 | 9 | 40 | |
| | | U | | | | | | | | | | |
| alpha-BHC | mg/kg | 0.000053 | 0.02 | 0.02 | 0.016 | 0.015 | 84 | 77 | 67-136 | 8 | 40 | |
| | | U | | | | | | | | | | |
| beta-BHC | mg/kg | 0.00024 | 0.02 | 0.02 | 0.016 | 0.015 | 81 | 75 | 68-131 | 7 | 40 | |
| | | U | | | | | | | | | | |
| delta-BHC | mg/kg | 0.00010 | 0.02 | 0.02 | 0.014 | 0.013 | 75 | 69 | 58-120 | 8 | 40 | |
| | | U | | | | | | | | | | |
| Dieldrin | mg/kg | 0.000075 | 0.02 | 0.02 | 0.017 | 0.016 | 90 | 81 | 63-145 | 10 | 40 | |
| | | U | | | | | | | | | | |
| Endosulfan I | mg/kg | 0.00022 | 0.02 | 0.02 | 0.017 | 0.016 | 89 | 81 | 66-129 | 9 | 40 | |
| | | U | | | | | | | | | | |
| Endosulfan II | mg/kg | 0.000088 | 0.02 | 0.02 | 0.017 | 0.015 | 86 | 79 | 59-130 | 9 | 40 | |
| | | U | | | | | | | | | | |
| Endosulfan sulfate | mg/kg | 0.000077 | 0.02 | 0.02 | 0.016 | 0.015 | 84 | 77 | 57-137 | 8 | 40 | |
| | | U | | | | | | | | | | |
| Endrin | mg/kg | 0.000098 | 0.02 | 0.02 | 0.018 | 0.017 | 94 | 86 | 67-147 | 9 | 40 | |
| | | U | | | | | | | | | | |
| Endrin aldehyde | mg/kg | 0.00029 | 0.02 | 0.02 | 0.015 | 0.014 | 80 | 72 | 54-144 | 11 | 40 | |
| | | U | | | | | | | | | | |
| Endrin ketone | mg/kg | 0.000091 | 0.02 | 0.02 | 0.017 | 0.015 | 87 | 80 | 60-139 | 9 | 40 | |
| | | U | | | | | | | | | | |
| gamma-BHC (Lindane) | mg/kg | 0.000057 | 0.02 | 0.02 | 0.016 | 0.015 | 84 | 77 | 69-137 | 8 | 40 | |
| | | U | | | | | | | | | | |
| Heptachlor | mg/kg | 0.00021 | 0.02 | 0.02 | 0.017 | 0.016 | 90 | 83 | 68-135 | 8 | 40 | |
| | | U | | | | | | | | | | |
| Heptachlor epoxide | mg/kg | 0.000084 | 0.02 | 0.02 | 0.017 | 0.016 | 89 | 81 | 68-135 | 9 | 40 | |
| | | U | | | | | | | | | | |
| Methoxychlor | mg/kg | 0.00029 | 0.02 | 0.02 | 0.018 | 0.017 | 92 | 86 | 57-153 | 6 | 40 | |
| | | U | | | | | | | | | | |
| Decachlorobiphenyl (S) | % | | | | | | 96 | 84 | 43-157 | | | |
| Tetrachloro-m-xylene (S) | % | | | | | | 88 | 79 | 53-140 | | | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 21.42 Acre Test
Pace Project No.: 35688572

| | | | |
|------------------|----------|-----------------------|-----------------------------------------|
| QC Batch: | 790948 | Analysis Method: | EPA 8081 |
| QC Batch Method: | EPA 3546 | Analysis Description: | 8081 GCS Pesticides |
| | | Laboratory: | Pace Analytical Services - Ormond Beach |

Associated Lab Samples: 35688572008, 35688572009, 35688572010

METHOD BLANK: 4340673 Matrix: Solid

Associated Lab Samples: 35688572008, 35688572009, 35688572010

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------|----------------|------------|
| 4,4'-DDD | mg/kg | 0.000076 U | 0.0017 | 0.000076 | 01/10/22 10:10 | |
| 4,4'-DDE | mg/kg | 0.000067 U | 0.0017 | 0.000067 | 01/10/22 10:10 | |
| 4,4'-DDT | mg/kg | 0.000094 U | 0.0017 | 0.000094 | 01/10/22 10:10 | |
| Aldrin | mg/kg | 0.00017 U | 0.0017 | 0.00017 | 01/10/22 10:10 | |
| alpha-BHC | mg/kg | 0.000046 U | 0.0017 | 0.000046 | 01/10/22 10:10 | |
| beta-BHC | mg/kg | 0.00020 U | 0.0017 | 0.00020 | 01/10/22 10:10 | |
| Chlordane (Technical) | mg/kg | 0.0051 U | 0.017 | 0.0051 | 01/10/22 10:10 | |
| delta-BHC | mg/kg | 0.000087 U | 0.0017 | 0.000087 | 01/10/22 10:10 | |
| Dieldrin | mg/kg | 0.000065 U | 0.0017 | 0.000065 | 01/10/22 10:10 | |
| Endosulfan I | mg/kg | 0.00019 U | 0.0017 | 0.00019 | 01/10/22 10:10 | |
| Endosulfan II | mg/kg | 0.000076 U | 0.0017 | 0.000076 | 01/10/22 10:10 | |
| Endosulfan sulfate | mg/kg | 0.000067 U | 0.0017 | 0.000067 | 01/10/22 10:10 | |
| Endrin | mg/kg | 0.000085 U | 0.0017 | 0.000085 | 01/10/22 10:10 | |
| Endrin aldehyde | mg/kg | 0.00025 U | 0.0034 | 0.00025 | 01/10/22 10:10 | |
| Endrin ketone | mg/kg | 0.000079 U | 0.0017 | 0.000079 | 01/10/22 10:10 | |
| gamma-BHC (Lindane) | mg/kg | 0.000049 U | 0.0017 | 0.000049 | 01/10/22 10:10 | |
| Heptachlor | mg/kg | 0.00018 U | 0.0017 | 0.00018 | 01/10/22 10:10 | |
| Heptachlor epoxide | mg/kg | 0.000073 U | 0.0017 | 0.000073 | 01/10/22 10:10 | |
| Methoxychlor | mg/kg | 0.00025 U | 0.0017 | 0.00025 | 01/10/22 10:10 | |
| Toxaphene | mg/kg | 0.0073 U | 0.017 | 0.0073 | 01/10/22 10:10 | |
| Decachlorobiphenyl (S) | % | 99 | 43-157 | | 01/10/22 10:10 | |
| Tetrachloro-m-xylene (S) | % | 119 | 53-140 | | 01/10/22 10:10 | |

LABORATORY CONTROL SAMPLE: 4340674

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------|-------|-------------|------------|-----------|--------------|------------|
| 4,4'-DDD | mg/kg | 0.016 | 0.016 | 98 | 62-144 | |
| 4,4'-DDE | mg/kg | 0.016 | 0.016 | 97 | 67-141 | |
| 4,4'-DDT | mg/kg | 0.016 | 0.016 | 99 | 57-159 | |
| Aldrin | mg/kg | 0.016 | 0.015 | 93 | 70-136 | |
| alpha-BHC | mg/kg | 0.016 | 0.015 | 92 | 67-136 | |
| beta-BHC | mg/kg | 0.016 | 0.015 | 88 | 68-131 | |
| delta-BHC | mg/kg | 0.016 | 0.013 | 82 | 58-120 | |
| Dieldrin | mg/kg | 0.016 | 0.016 | 99 | 63-145 | |
| Endosulfan I | mg/kg | 0.016 | 0.016 | 100 | 66-129 | |
| Endosulfan II | mg/kg | 0.016 | 0.016 | 99 | 59-130 | |
| Endosulfan sulfate | mg/kg | 0.016 | 0.014 | 86 | 57-137 | |
| Endrin | mg/kg | 0.016 | 0.019 | 114 | 67-147 | |
| Endrin aldehyde | mg/kg | 0.016 | 0.019 | 113 | 54-144 | |

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QUALITY CONTROL DATA

Project: 21.42 Acre Test

Pace Project No.: 35688572

LABORATORY CONTROL SAMPLE: 4340674

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------|-------|-------------|------------|-----------|--------------|------------|
| Endrin ketone | mg/kg | 0.016 | 0.016 | 99 | 60-139 | |
| gamma-BHC (Lindane) | mg/kg | 0.016 | 0.015 | 92 | 69-137 | |
| Heptachlor | mg/kg | 0.016 | 0.016 | 97 | 68-135 | |
| Heptachlor epoxide | mg/kg | 0.016 | 0.016 | 100 | 68-135 | |
| Methoxychlor | mg/kg | 0.016 | 0.017 | 102 | 57-153 | |
| Decachlorobiphenyl (S) | % | | | 102 | 43-157 | |
| Tetrachloro-m-xylene (S) | % | | | 126 | 53-140 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4340682 4340683

| Parameter | Units | 35688572008 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|--------------------------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| 4,4'-DDD | mg/kg | 0.00017 U | 0.019 | 0.019 | 0.014 | 0.015 | 79 | 81 | 62-144 | 3 | 40 | |
| 4,4'-DDE | mg/kg | 0.00015 U | 0.019 | 0.019 | 0.013 | 0.014 | 72 | 74 | 67-141 | 3 | 40 | |
| 4,4'-DDT | mg/kg | 0.00021 U | 0.019 | 0.019 | 0.014 | 0.014 | 77 | 79 | 57-159 | 2 | 40 | |
| Aldrin | mg/kg | 0.00038 U | 0.019 | 0.019 | 0.013 | 0.013 | 71 | 72 | 70-136 | 1 | 40 | |
| alpha-BHC | mg/kg | 0.00010 U | 0.019 | 0.019 | 0.013 | 0.013 | 72 | 72 | 67-136 | 0 | 40 | |
| beta-BHC | mg/kg | 0.00046 U | 0.019 | 0.019 | 0.013 | 0.013 | 71 | 72 | 68-131 | 2 | 40 | |
| delta-BHC | mg/kg | 0.00020 U | 0.019 | 0.019 | 0.012 | 0.012 | 63 | 65 | 58-120 | 4 | 40 | |
| Dieldrin | mg/kg | 0.00015 U | 0.019 | 0.019 | 0.014 | 0.015 | 78 | 80 | 63-145 | 2 | 40 | |
| Endosulfan I | mg/kg | 0.00043 U | 0.019 | 0.019 | 0.014 | 0.015 | 78 | 80 | 66-129 | 2 | 40 | |
| Endosulfan II | mg/kg | 0.00017 U | 0.019 | 0.019 | 0.015 | 0.015 | 82 | 84 | 59-130 | 3 | 40 | |
| Endosulfan sulfate | mg/kg | 0.00015 U | 0.019 | 0.019 | 0.016 | 0.016 | 89 | 89 | 57-137 | 1 | 40 | |
| Endrin | mg/kg | 0.00019 U | 0.019 | 0.019 | 0.017 | 0.017 | 91 | 94 | 67-147 | 3 | 40 | |
| Endrin aldehyde | mg/kg | 0.00056 U | 0.019 | 0.019 | 0.016 | 0.016 | 87 | 87 | 54-144 | 0 | 40 | |
| Endrin ketone | mg/kg | 0.00018 U | 0.019 | 0.019 | 0.015 | 0.015 | 83 | 83 | 60-139 | 0 | 40 | |
| gamma-BHC (Lindane) | mg/kg | 0.00011 U | 0.019 | 0.019 | 0.014 | 0.014 | 74 | 75 | 69-137 | 1 | 40 | |
| Heptachlor | mg/kg | 0.00041 U | 0.019 | 0.019 | 0.014 | 0.014 | 74 | 77 | 68-135 | 3 | 40 | |
| Heptachlor epoxide | mg/kg | 0.00016 U | 0.019 | 0.019 | 0.014 | 0.015 | 79 | 81 | 68-135 | 3 | 40 | |
| Methoxychlor | mg/kg | 0.00056 U | 0.019 | 0.019 | 0.016 | 0.016 | 87 | 88 | 57-153 | 1 | 40 | |
| Decachlorobiphenyl (S) | % | | | | | | 66 | 63 | 43-157 | | | |
| Tetrachloro-m-xylene (S) | % | | | | | | 98 | 94 | 53-140 | | | |

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QUALITY CONTROL DATA

Project: 21.42 Acre Test
Pace Project No.: 35688572

| | | | |
|------------------|----------|-----------------------|-----------------------------------------|
| QC Batch: | 790947 | Analysis Method: | EPA 8082 |
| QC Batch Method: | EPA 3546 | Analysis Description: | 8082 PCB Solid MW |
| | | Laboratory: | Pace Analytical Services - Ormond Beach |

Associated Lab Samples: 35688572008, 35688572009, 35688572010

METHOD BLANK: 4340669 Matrix: Solid
Associated Lab Samples: 35688572008, 35688572009, 35688572010

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------------------|-------|--------------|-----------------|--------|----------------|------------|
| PCB-1016 (Aroclor 1016) | mg/kg | 0.0038 U | 0.017 | 0.0038 | 01/10/22 13:04 | |
| PCB-1221 (Aroclor 1221) | mg/kg | 0.0080 U | 0.017 | 0.0080 | 01/10/22 13:04 | |
| PCB-1232 (Aroclor 1232) | mg/kg | 0.0085 U | 0.017 | 0.0085 | 01/10/22 13:04 | |
| PCB-1242 (Aroclor 1242) | mg/kg | 0.0092 U | 0.017 | 0.0092 | 01/10/22 13:04 | |
| PCB-1248 (Aroclor 1248) | mg/kg | 0.0047 U | 0.017 | 0.0047 | 01/10/22 13:04 | |
| PCB-1254 (Aroclor 1254) | mg/kg | 0.0068 U | 0.017 | 0.0068 | 01/10/22 13:04 | |
| PCB-1260 (Aroclor 1260) | mg/kg | 0.0051 U | 0.017 | 0.0051 | 01/10/22 13:04 | |
| Decachlorobiphenyl (S) | % | 89 | 26-172 | | 01/10/22 13:04 | |
| Tetrachloro-m-xylene (S) | % | 84 | 59-129 | | 01/10/22 13:04 | |

LABORATORY CONTROL SAMPLE: 4340670

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------|-------|-------------|------------|-----------|--------------|------------|
| PCB-1016 (Aroclor 1016) | mg/kg | 0.083 | 0.084 | 102 | 50-141 | |
| PCB-1260 (Aroclor 1260) | mg/kg | 0.083 | 0.074 | 89 | 54-145 | |
| Decachlorobiphenyl (S) | % | | | 89 | 26-172 | |
| Tetrachloro-m-xylene (S) | % | | | 85 | 59-129 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4340671 4340672

| Parameter | Units | 35688196001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | Max RPD | Qual |
|--------------------------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|---------|-------|
| PCB-1016 (Aroclor 1016) | mg/kg | 0.0058 U | 0.13 | 0.13 | 0.12 | 0.10 | 99 | 81 | 50-141 | 20 | 40 |
| PCB-1260 (Aroclor 1260) | mg/kg | 0.0077 U | 0.13 | 0.13 | 0.11 | 0.080 | 84 | 63 | 54-145 | 29 | 40 |
| Decachlorobiphenyl (S) | % | | | | | | 67 | 45 | 26-172 | | |
| Tetrachloro-m-xylene (S) | % | | | | | | 69 | 57 | 59-129 | | J(S0) |

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QUALITY CONTROL DATA

Project: 21.42 Acre Test
Pace Project No.: 35688572

QC Batch: 790628 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid Full List MSSV Microwave
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35688572008, 35688572009, 35688572010

METHOD BLANK: 4338883 Matrix: Solid
Associated Lab Samples: 35688572008, 35688572009, 35688572010

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|------------------------------|-------|--------------|-----------------|--------|----------------|------------|
| 1,2-Diphenylhydrazine | mg/kg | 0.037 U | 0.17 | 0.037 | 01/10/22 13:20 | |
| 2,4,6-Trichlorophenol | mg/kg | 0.0092 U | 0.17 | 0.0092 | 01/10/22 13:20 | |
| 2,4-Dichlorophenol | mg/kg | 0.0075 U | 0.17 | 0.0075 | 01/10/22 13:20 | |
| 2,4-Dimethylphenol | mg/kg | 0.030 U | 0.17 | 0.030 | 01/10/22 13:20 | |
| 2,4-Dinitrophenol | mg/kg | 0.10 U | 0.67 | 0.10 | 01/10/22 13:20 | |
| 2,4-Dinitrotoluene | mg/kg | 0.0096 U | 0.17 | 0.0096 | 01/10/22 13:20 | |
| 2,6-Dinitrotoluene | mg/kg | 0.0082 U | 0.17 | 0.0082 | 01/10/22 13:20 | |
| 2-Chloronaphthalene | mg/kg | 0.0080 U | 0.17 | 0.0080 | 01/10/22 13:20 | |
| 2-Chlorophenol | mg/kg | 0.027 U | 0.17 | 0.027 | 01/10/22 13:20 | |
| 2-Nitrophenol | mg/kg | 0.054 U | 0.17 | 0.054 | 01/10/22 13:20 | |
| 3,3'-Dichlorobenzidine | mg/kg | 0.033 U | 0.67 | 0.033 | 01/10/22 13:20 | |
| 4,6-Dinitro-2-methylphenol | mg/kg | 0.11 U | 0.67 | 0.11 | 01/10/22 13:20 | |
| 4-Bromophenylphenyl ether | mg/kg | 0.032 U | 0.17 | 0.032 | 01/10/22 13:20 | |
| 4-Chloro-3-methylphenol | mg/kg | 0.10 U | 0.67 | 0.10 | 01/10/22 13:20 | |
| 4-Chlorophenylphenyl ether | mg/kg | 0.024 U | 0.17 | 0.024 | 01/10/22 13:20 | |
| 4-Nitrophenol | mg/kg | 0.073 U | 0.22 | 0.073 | 01/10/22 13:20 | |
| Acenaphthene | mg/kg | 0.016 U | 0.036 | 0.016 | 01/10/22 13:20 | |
| Acenaphthylene | mg/kg | 0.0053 U | 0.034 | 0.0053 | 01/10/22 13:20 | |
| Anthracene | mg/kg | 0.0046 U | 0.036 | 0.0046 | 01/10/22 13:20 | |
| Benidine | mg/kg | 0.091 U | 0.83 | 0.091 | 01/10/22 13:20 | |
| Benzo(a)anthracene | mg/kg | 0.0045 U | 0.034 | 0.0045 | 01/10/22 13:20 | |
| Benzo(a)pyrene | mg/kg | 0.0084 U | 0.034 | 0.0084 | 01/10/22 13:20 | |
| Benzo(b)fluoranthene | mg/kg | 0.0090 U | 0.034 | 0.0090 | 01/10/22 13:20 | |
| Benzo(g,h,i)perylene | mg/kg | 0.0085 U | 0.034 | 0.0085 | 01/10/22 13:20 | |
| Benzo(k)fluoranthene | mg/kg | 0.0090 U | 0.034 | 0.0090 | 01/10/22 13:20 | |
| bis(2-Chloroethoxy)methane | mg/kg | 0.024 U | 0.17 | 0.024 | 01/10/22 13:20 | |
| bis(2-Chloroethyl) ether | mg/kg | 0.011 U | 0.17 | 0.011 | 01/10/22 13:20 | |
| bis(2-Chloroisopropyl) ether | mg/kg | 0.034 U | 0.17 | 0.034 | 01/10/22 13:20 | |
| bis(2-Ethylhexyl)phthalate | mg/kg | 0.035 U | 0.17 | 0.035 | 01/10/22 13:20 | |
| Butylbenzylphthalate | mg/kg | 0.034 U | 0.17 | 0.034 | 01/10/22 13:20 | |
| Chrysene | mg/kg | 0.0045 U | 0.034 | 0.0045 | 01/10/22 13:20 | |
| Di-n-butylphthalate | mg/kg | 0.025 U | 0.17 | 0.025 | 01/10/22 13:20 | |
| Di-n-octylphthalate | mg/kg | 0.041 U | 0.17 | 0.041 | 01/10/22 13:20 | |
| Dibenz(a,h)anthracene | mg/kg | 0.0078 U | 0.034 | 0.0078 | 01/10/22 13:20 | |
| Diethylphthalate | mg/kg | 0.057 U | 0.17 | 0.057 | 01/10/22 13:20 | |
| Dimethylphthalate | mg/kg | 0.027 U | 0.17 | 0.027 | 01/10/22 13:20 | |
| Fluoranthene | mg/kg | 0.011 U | 0.034 | 0.011 | 01/10/22 13:20 | |
| Fluorene | mg/kg | 0.012 U | 0.037 | 0.012 | 01/10/22 13:20 | |
| Hexachlorobenzene | mg/kg | 0.0066 U | 0.17 | 0.0066 | 01/10/22 13:20 | |
| Hexachlorocyclopentadiene | mg/kg | 0.12 U | 0.67 | 0.12 | 01/10/22 13:20 | |

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QUALITY CONTROL DATA

Project: 21.42 Acre Test

Pace Project No.: 35688572

METHOD BLANK: 4338883

Matrix: Solid

Associated Lab Samples: 35688572008, 35688572009, 35688572010

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|----------------------------|-------|--------------|-----------------|--------|----------------|------------|
| Hexachloroethane | mg/kg | 0.026 U | 0.17 | 0.026 | 01/10/22 13:20 | |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.0077 U | 0.034 | 0.0077 | 01/10/22 13:20 | |
| Isophorone | mg/kg | 0.029 U | 0.17 | 0.029 | 01/10/22 13:20 | |
| N-Nitroso-di-n-propylamine | mg/kg | 0.0066 U | 0.17 | 0.0066 | 01/10/22 13:20 | |
| N-Nitrosodimethylamine | mg/kg | 0.011 U | 0.17 | 0.011 | 01/10/22 13:20 | |
| N-Nitrosodiphenylamine | mg/kg | 0.022 U | 0.17 | 0.022 | 01/10/22 13:20 | |
| Naphthalene | mg/kg | 0.012 U | 0.035 | 0.012 | 01/10/22 13:20 | |
| Nitrobenzene | mg/kg | 0.011 U | 0.17 | 0.011 | 01/10/22 13:20 | |
| Pentachlorophenol | mg/kg | 0.087 U | 0.67 | 0.087 | 01/10/22 13:20 | |
| Phenanthrene | mg/kg | 0.0048 U | 0.034 | 0.0048 | 01/10/22 13:20 | |
| Phenol | mg/kg | 0.032 U | 0.17 | 0.032 | 01/10/22 13:20 | |
| Pyrene | mg/kg | 0.0045 U | 0.034 | 0.0045 | 01/10/22 13:20 | |
| 2,4,6-Tribromophenol (S) | % | 68 | 23-110 | | 01/10/22 13:20 | |
| 2-Fluorobiphenyl (S) | % | 67 | 29-101 | | 01/10/22 13:20 | |
| 2-Fluorophenol (S) | % | 62 | 19-95 | | 01/10/22 13:20 | |
| Nitrobenzene-d5 (S) | % | 66 | 24-98 | | 01/10/22 13:20 | |
| p-Terphenyl-d14 (S) | % | 80 | 29-112 | | 01/10/22 13:20 | |
| Phenol-d6 (S) | % | 68 | 10-104 | | 01/10/22 13:20 | |

LABORATORY CONTROL SAMPLE: 4338884

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,2-Diphenylhydrazine | mg/kg | 1.7 | 1.2 | 71 | 47-100 | |
| 2,4,6-Trichlorophenol | mg/kg | 1.7 | 1.2 | 72 | 51-98 | |
| 2,4-Dichlorophenol | mg/kg | 1.7 | 1.1 | 68 | 50-96 | |
| 2,4-Dimethylphenol | mg/kg | 1.7 | 1.1 | 67 | 49-96 | |
| 2,4-Dinitrophenol | mg/kg | 1.7 | 1.2 | 69 | 10-126 | |
| 2,4-Dinitrotoluene | mg/kg | 1.7 | 1.2 | 73 | 54-108 | |
| 2,6-Dinitrotoluene | mg/kg | 1.7 | 1.2 | 72 | 52-103 | |
| 2-Chloronaphthalene | mg/kg | 1.7 | 1.1 | 64 | 46-96 | |
| 2-Chlorophenol | mg/kg | 1.7 | 1.1 | 63 | 48-92 | |
| 2-Nitrophenol | mg/kg | 1.7 | 1.1 | 66 | 51-100 | |
| 3,3'-Dichlorobenzidine | mg/kg | 1.7 | 1.2 | 71 | 53-106 | |
| 4,6-Dinitro-2-methylphenol | mg/kg | 1.7 | 1.3 | 75 | 32-123 | |
| 4-Bromophenylphenyl ether | mg/kg | 1.7 | 1.2 | 73 | 49-100 | |
| 4-Chloro-3-methylphenol | mg/kg | 1.7 | 1.2 | 70 | 51-99 | |
| 4-Chlorophenylphenyl ether | mg/kg | 1.7 | 1.1 | 69 | 49-97 | |
| 4-Nitrophenol | mg/kg | 1.7 | 1.2 | 73 | 50-115 | |
| Acenaphthene | mg/kg | 1.7 | 1.1 | 64 | 30-127 | |
| Acenaphthylene | mg/kg | 1.7 | 1.1 | 68 | 29-129 | |
| Anthracene | mg/kg | 1.7 | 1.3 | 75 | 37-126 | |
| Benzidine | mg/kg | 1.7 | 0.83 | 50 | 26-110 | |
| Benzo(a)anthracene | mg/kg | 1.7 | 1.3 | 76 | 37-130 | |
| Benzo(a)pyrene | mg/kg | 1.7 | 1.4 | 81 | 39-128 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 21.42 Acre Test

Pace Project No.: 35688572

LABORATORY CONTROL SAMPLE: 4338884

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------------|-------|-------------|------------|-----------|--------------|------------|
| Benzo(b)fluoranthene | mg/kg | 1.7 | 1.3 | 81 | 38-128 | |
| Benzo(g,h,i)perylene | mg/kg | 1.7 | 1.3 | 80 | 34-136 | |
| Benzo(k)fluoranthene | mg/kg | 1.7 | 1.3 | 76 | 39-133 | |
| bis(2-Chloroethoxy)methane | mg/kg | 1.7 | 1.1 | 64 | 46-94 | |
| bis(2-Chloroethyl) ether | mg/kg | 1.7 | 1.1 | 67 | 41-95 | |
| bis(2-Chloroisopropyl) ether | mg/kg | 1.7 | 1.0 | 61 | 29-107 | |
| bis(2-Ethylhexyl)phthalate | mg/kg | 1.7 | 1.3 | 77 | 51-107 | |
| Butylbenzylphthalate | mg/kg | 1.7 | 1.3 | 77 | 50-106 | |
| Chrysene | mg/kg | 1.7 | 1.3 | 78 | 39-125 | |
| Di-n-butylphthalate | mg/kg | 1.7 | 1.2 | 74 | 51-105 | |
| Di-n-octylphthalate | mg/kg | 1.7 | 1.2 | 74 | 50-108 | |
| Dibenz(a,h)anthracene | mg/kg | 1.7 | 1.3 | 78 | 37-127 | |
| Diethylphthalate | mg/kg | 1.7 | 1.2 | 69 | 50-102 | |
| Dimethylphthalate | mg/kg | 1.7 | 1.2 | 70 | 49-100 | |
| Fluoranthene | mg/kg | 1.7 | 1.2 | 73 | 39-130 | |
| Fluorene | mg/kg | 1.7 | 1.2 | 70 | 35-125 | |
| Hexachlorobenzene | mg/kg | 1.7 | 1.3 | 78 | 51-99 | |
| Hexachlorocyclopentadiene | mg/kg | 1.7 | 1.3 | 77 | 15-143 | |
| Hexachloroethane | mg/kg | 1.7 | 1.0 | 61 | 46-91 | |
| Indeno(1,2,3-cd)pyrene | mg/kg | 1.7 | 1.3 | 78 | 35-133 | |
| Isophorone | mg/kg | 1.7 | 1.1 | 65 | 48-95 | |
| N-Nitroso-di-n-propylamine | mg/kg | 1.7 | 1.1 | 65 | 48-95 | |
| N-Nitrosodimethylamine | mg/kg | 1.7 | 1.0 | 62 | 44-97 | |
| N-Nitrosodiphenylamine | mg/kg | 1.7 | 1.3 | 77 | 50-100 | |
| Naphthalene | mg/kg | 1.7 | 1.1 | 65 | 36-115 | |
| Nitrobenzene | mg/kg | 1.7 | 1.1 | 64 | 47-96 | |
| Pentachlorophenol | mg/kg | 1.7 | 1.4 | 82 | 39-115 | |
| Phenanthrene | mg/kg | 1.7 | 1.3 | 76 | 35-128 | |
| Phenol | mg/kg | 1.7 | 1.1 | 65 | 46-94 | |
| Pyrene | mg/kg | 1.7 | 1.3 | 80 | 37-132 | |
| 2,4,6-Tribromophenol (S) | % | | | 74 | 23-110 | |
| 2-Fluorobiphenyl (S) | % | | | 63 | 29-101 | |
| 2-Fluorophenol (S) | % | | | 62 | 19-95 | |
| Nitrobenzene-d5 (S) | % | | | 63 | 24-98 | |
| p-Terphenyl-d14 (S) | % | | | 79 | 29-112 | |
| Phenol-d6 (S) | % | | | 67 | 10-104 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4338885 4338886

| Parameter | Units | 35688597001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------------------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| 1,2-Diphenylhydrazine | mg/kg | 0.044 U | 2 | 2 | 1.2 | 1.2 | 63 | 60 | 47-100 | 6 | 40 | Q |
| 2,4,6-Trichlorophenol | mg/kg | 0.011 U | 2 | 2 | 1.2 | 1.2 | 61 | 60 | 51-98 | 2 | 40 | Q |
| 2,4-Dichlorophenol | mg/kg | 0.0089 U | 2 | 2 | 1.1 | 1.1 | 57 | 58 | 50-96 | 1 | 40 | Q |
| 2,4-Dimethylphenol | mg/kg | 0.036 U | 2 | 2 | 1.1 | 1.1 | 57 | 57 | 49-96 | 1 | 40 | Q |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 21.42 Acre Test

Pace Project No.: 35688572

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4338885 4338886 | | | | | | | | | | | |
|--------------------------------------------------------|-------|-----------------------|----------------------|-----------------------|--------------|---------------|-------------|--------------|-----------------|------------|------|
| Parameter | Units | 35688597001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | Max RPD | Qual |
| 2,4-Dinitrophenol | mg/kg | 0.12 U | 2 | 2 | 0.75 I | 0.74 I | 38 | 37 | 10-126 | 40 | Q |
| 2,4-Dinitrotoluene | mg/kg | 0.011 U | 2 | 2 | 1.3 | 1.2 | 66 | 63 | 54-108 | 5 | Q |
| 2,6-Dinitrotoluene | mg/kg | 0.0097 U | 2 | 2 | 1.2 | 1.2 | 62 | 61 | 52-103 | 2 | Q |
| 2-Chloronaphthalene | mg/kg | 0.0095 U | 2 | 2 | 1.1 | 1.1 | 56 | 56 | 46-96 | 1 | Q |
| 2-Chlorophenol | mg/kg | 0.032 U | 2 | 2 | 1.1 | 1.1 | 56 | 54 | 48-92 | 4 | Q |
| 2-Nitrophenol | mg/kg | 0.064 U | 2 | 2 | 1.1 | 1.1 | 56 | 56 | 51-100 | 1 | Q |
| 3,3'-Dichlorobenzidine | mg/kg | 0.039 U | 2 | 2 | 1.3 | 1.3 | 65 | 64 | 53-106 | 2 | Q |
| 4,6-Dinitro-2-methylphenol | mg/kg | 0.13 U | 2 | 2 | 1.2 | 1.2 | 60 | 60 | 32-123 | 0 | Q |
| 4-Bromophenylphenyl ether | mg/kg | 0.038 U | 2 | 2 | 1.2 | 1.2 | 62 | 60 | 49-100 | 3 | Q |
| 4-Chloro-3-methylphenol | mg/kg | 0.12 U | 2 | 2 | 1.2 | 1.2 | 60 | 60 | 51-99 | 0 | Q |
| 4-Chlorophenylphenyl ether | mg/kg | 0.028 U | 2 | 2 | 1.2 | 1.2 | 61 | 59 | 49-97 | 3 | Q |
| 4-Nitrophenol | mg/kg | 0.086 U | 2 | 2 | 1.3 | 1.2 | 65 | 63 | 50-115 | 3 | Q |
| Acenaphthene | mg/kg | 0.019 U | 2 | 2 | 1.1 | 1.1 | 56 | 53 | 30-127 | 4 | Q |
| Acenaphthylene | mg/kg | 0.0063 U | 2 | 2 | 1.2 | 1.1 | 60 | 57 | 29-129 | 4 | Q |
| Anthracene | mg/kg | 0.0054 U | 2 | 2 | 1.3 | 1.2 | 66 | 62 | 37-126 | 6 | Q |
| Benzidine | mg/kg | 0.11 U | 2 | 2 | 0.84 I | 0.86 I | 43 | 44 | 26-110 | | Q |
| Benzo(a)anthracene | mg/kg | 0.0053 U | 2 | 2 | 1.3 | 1.3 | 67 | 67 | 37-130 | 1 | Q |
| Benzo(a)pyrene | mg/kg | 0.010 U | 2 | 2 | 1.5 | 1.4 | 74 | 69 | 39-128 | 6 | Q |
| Benzo(b)fluoranthene | mg/kg | 0.011 U | 2 | 2 | 1.4 | 1.3 | 69 | 67 | 38-128 | 3 | Q |
| Benzo(g,h,i)perylene | mg/kg | 0.010 U | 2 | 2 | 1.5 | 1.4 | 74 | 69 | 34-136 | 7 | Q |
| Benzo(k)fluoranthene | mg/kg | 0.011 U | 2 | 2 | 1.4 | 1.3 | 72 | 66 | 39-133 | 8 | Q |
| bis(2-Chloroethoxy)methane | mg/kg | 0.028 U | 2 | 2 | 1.1 | 1.1 | 54 | 55 | 46-94 | 2 | Q |
| bis(2-Chloroethyl) ether | mg/kg | 0.013 U | 2 | 2 | 1.2 | 1.1 | 59 | 57 | 41-95 | 3 | Q |
| bis(2-Chloroisopropyl) ether | mg/kg | 0.040 U | 2 | 2 | 1.0 | 1.0 | 53 | 53 | 29-107 | 1 | Q |
| bis(2-Ethylhexyl)phthalate | mg/kg | 0.041 U | 2 | 2 | 1.4 | 1.4 | 71 | 69 | 51-107 | 2 | Q |
| Butylbenzylphthalate | mg/kg | 0.040 U | 2 | 2 | 1.4 | 1.4 | 71 | 70 | 50-106 | 3 | Q |
| Chrysene | mg/kg | 0.0053 U | 2 | 2 | 1.3 | 1.3 | 68 | 67 | 39-125 | 1 | Q |
| Di-n-butylphthalate | mg/kg | 0.030 U | 2 | 2 | 1.3 | 1.3 | 67 | 64 | 51-105 | 5 | Q |
| Di-n-octylphthalate | mg/kg | 0.049 U | 2 | 2 | 1.3 | 1.3 | 68 | 66 | 50-108 | 3 | Q |
| Dibenz(a,h)anthracene | mg/kg | 0.0092 U | 2 | 2 | 1.4 | 1.3 | 71 | 67 | 37-127 | 6 | Q |
| Diethylphthalate | mg/kg | 0.068 U | 2 | 2 | 1.2 | 1.2 | 63 | 61 | 50-102 | 4 | Q |
| Dimethylphthalate | mg/kg | 0.032 U | 2 | 2 | 1.2 | 1.2 | 62 | 60 | 49-100 | 4 | Q |
| Fluoranthene | mg/kg | 0.013 U | 2 | 2 | 1.3 | 1.2 | 67 | 62 | 39-130 | 7 | Q |
| Fluorene | mg/kg | 0.014 U | 2 | 2 | 1.2 | 1.2 | 61 | 59 | 35-125 | 4 | Q |
| Hexachlorobenzene | mg/kg | 0.0079 U | 2 | 2 | 1.3 | 1.3 | 66 | 65 | 51-99 | 2 | Q |
| Hexachlorocyclopentadiene | mg/kg | 0.15 U | 2 | 2 | 1.3 | 1.3 | 66 | 65 | 15-143 | 1 | Q |
| Hexachloroethane | mg/kg | 0.031 U | 2 | 2 | 1.1 | 1.0 | 55 | 53 | 46-91 | 3 | Q |
| Indeno(1,2,3-cd)pyrene | mg/kg | 0.0091 U | 2 | 2 | 1.4 | 1.3 | 71 | 67 | 35-133 | 6 | Q |
| Isophorone | mg/kg | 0.034 U | 2 | 2 | 1.1 | 1.1 | 56 | 56 | 48-95 | 0 | Q |
| N-Nitroso-di-n-propylamine | mg/kg | 0.0078 U | 2 | 2 | 1.1 | 1.1 | 57 | 55 | 48-95 | 2 | Q |
| N-Nitrosodimethylamine | mg/kg | 0.013 U | 2 | 2 | 1.0 | 1.0 | 53 | 52 | 44-97 | 2 | Q |
| N-Nitrosodiphenylamine | mg/kg | 0.026 U | 2 | 2 | 1.3 | 1.2 | 65 | 62 | 50-100 | 4 | Q |
| Naphthalene | mg/kg | 0.014 U | 2 | 2 | 1.1 | 1.1 | 55 | 56 | 36-115 | 2 | Q |
| Nitrobenzene | mg/kg | 0.013 U | 2 | 2 | 1.1 | 1.1 | 55 | 55 | 47-96 | 0 | Q |
| Pentachlorophenol | mg/kg | 0.10 U | 2 | 2 | 1.4 | 1.3 | 69 | 67 | 39-115 | 4 | Q |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 21.42 Acre Test

Pace Project No.: 35688572

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4338885 4338886 | | | | | | | | | | | | |
|--------------------------------------------------------|-------|-------------|-------|-------|--------|--------|-------|-------|--------|--------|-----|-----|
| Parameter | Units | 35688597001 | MS | MSD | MS | MSD | MS | MSD | % Rec | Limits | RPD | Max |
| | | Result | Spike | Spike | | | | | | | | RPD |
| | | | Conc. | Conc. | Result | Result | % Rec | % Rec | | | | |
| Phenanthrene | mg/kg | 0.0057 U | 2 | 2 | 1.3 | 1.2 | 65 | 62 | 35-128 | 5 | 40 | Q |
| Phenol | mg/kg | 0.038 U | 2 | 2 | 1.1 | 1.1 | 55 | 54 | 46-94 | 2 | 40 | Q |
| Pyrene | mg/kg | 0.0053 U | 2 | 2 | 1.4 | 1.4 | 71 | 70 | 37-132 | 2 | 40 | Q |
| 2,4,6-Tribromophenol (S) | % | | | | | | 65 | 62 | 23-110 | | | |
| 2-Fluorobiphenyl (S) | % | | | | | | 55 | 54 | 29-101 | | | |
| 2-Fluorophenol (S) | % | | | | | | 52 | 51 | 19-95 | | | |
| Nitrobenzene-d5 (S) | % | | | | | | 53 | 55 | 24-98 | | | |
| p-Terphenyl-d14 (S) | % | | | | | | 71 | 71 | 29-112 | | | |
| Phenol-d6 (S) | % | | | | | | 55 | 54 | 10-104 | | | |

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QUALITY CONTROL DATA

Project: 21.42 Acre Test

Pace Project No.: 35688572

| | | | |
|---------------------------------------------------------------|----------|-----------------------|-----------------------------------------|
| QC Batch: | 791499 | Analysis Method: | FL-PRO |
| QC Batch Method: | EPA 3546 | Analysis Description: | FL-PRO Soil |
| | | Laboratory: | Pace Analytical Services - Ormond Beach |
| Associated Lab Samples: 35688572008, 35688572009, 35688572010 | | | |

METHOD BLANK: 4344495 Matrix: Solid

Associated Lab Samples: 35688572008, 35688572009, 35688572010

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------------------|-------|--------------|-----------------|-----|----------------|------------|
| Petroleum Range Organics | mg/kg | 5.1 U | 6.0 | 5.1 | 01/12/22 12:30 | |
| N-Pentatriacontane (S) | % | 72 | 42-159 | | 01/12/22 12:30 | |
| o-Terphenyl (S) | % | 81 | 66-136 | | 01/12/22 12:30 | |

LABORATORY CONTROL SAMPLE: 4344496

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------|-------|-------------|------------|-----------|--------------|------------|
| Petroleum Range Organics | mg/kg | 200 | 157 | 79 | 65-119 | |
| N-Pentatriacontane (S) | % | | | 78 | 42-159 | |
| o-Terphenyl (S) | % | | | 85 | 66-136 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4344497 4344498

| Parameter | Units | 35688250002 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|--------------------------|-------|--------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Petroleum Range Organics | mg/kg | 5.1 U | 199 | 201 | 178 | 173 | 89 | 85 | 39-181 | 3 | 25 | |
| N-Pentatriacontane (S) | % | | | | | | 86 | 86 | 42-159 | | | |
| o-Terphenyl (S) | % | | | | | | 93 | 91 | 66-136 | | | |

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QUALITY CONTROL DATA

Project: 21.42 Acre Test

Pace Project No.: 35688572

| | | | |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------|
| QC Batch: | 793177 | Analysis Method: | ASTM D2974-87 |
| QC Batch Method: | ASTM D2974-87 | Analysis Description: | Dry Weight/Percent Moisture |
| | | Laboratory: | Pace Analytical Services - Ormond Beach |
| Associated Lab Samples: | 35688572001, 35688572002, 35688572003, 35688572004, 35688572005, 35688572006, 35688572007, 35688572008, 35688572009, 35688572010 | | |

SAMPLE DUPLICATE: 4355260

| Parameter | Units | 35688572001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------|-------|-----------------------|---------------|-----|------------|------------|
| Percent Moisture | % | 13.9 | 15.1 | 8 | 10 | |

SAMPLE DUPLICATE: 4355261

| Parameter | Units | 35689962006 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------|-------|-----------------------|---------------|-----|------------|------------|
| Percent Moisture | % | 9.6 | 10.7 | 11 | 10 | J(D6) |

SAMPLE DUPLICATE: 4355262

| Parameter | Units | 35689962026 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------|-------|-----------------------|---------------|-----|------------|------------|
| Percent Moisture | % | 10.2 | 9.3 | 9 | 10 | |

SAMPLE DUPLICATE: 4355263

| Parameter | Units | 35690732028 Result | Dup Result | RPD | Max RPD | Qualifiers |
|------------------|-------|-----------------------|---------------|-----|------------|------------|
| Percent Moisture | % | 7.3 | 7.8 | 7 | 10 | |

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QUALITY CONTROL DATA

Project: 21.42 Acre Test

Pace Project No.: 35688572

QC Batch: 1801259

Analysis Method: SM 2540G

QC Batch Method: SM 2540 G

Analysis Description: Total Solids 2540 G-2011

Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 35688572001, 35688572002, 35688572003, 35688572004, 35688572005, 35688572006

METHOD BLANK: R3749952-1

Matrix: Solid

Associated Lab Samples: 35688572001, 35688572002, 35688572003, 35688572004, 35688572005, 35688572006

| Parameter | Units | Blank Result | Reporting Limit | MDL | Analyzed | Qualifiers |
|--------------|-------|--------------|-----------------|-----|----------------|------------|
| Total Solids | % | 0.00100 | | | 01/13/22 17:29 | |

LABORATORY CONTROL SAMPLE: R3749952-2

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------|-------|-------------|------------|-----------|--------------|------------|
| Total Solids | % | 50.0 | 50.0 | 100 | 85.0-115 | |

SAMPLE DUPLICATE: R3749952-3

| Parameter | Units | 35688572006 Result | Dup Result | RPD | Max RPD | Qualifiers |
|--------------|-------|--------------------|------------|-------|---------|------------|
| Total Solids | % | 83.5 | 83.7 | 0.206 | 10 | |

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 21.42 Acre Test
Pace Project No.: 35688572

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.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

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. |
| C2 | Relative percent difference between results from each column was greater than 40%. The lower of the two results was reported. |
| J(D6) | Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits. |
| J(M1) | Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery. |
| J(S0) | Estimated Value. Surrogate recovery outside laboratory control limits. |
| J(v1) | The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias. |
| MS | Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result. |
| P1 | Routine initial sample volume or weight was not used for extraction, resulting in elevated reporting limits. |
| P9 | RPD between the primary and confirmatory analysis exceeded 40%. |
| Q | Sample held beyond the accepted holding time. Sample was received outside EPA method holding time. |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 21.42 Acre Test

Pace Project No.: 35688572

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------|-----------------|----------|-------------------|------------------|
| 35688572001 | SS-1 | 3546 | 1800383 | EPA 8141 | 1800383 |
| 35688572002 | SS-2 | 3546 | 1800383 | EPA 8141 | 1800383 |
| 35688572003 | SS-3 | 3546 | 1800383 | EPA 8141 | 1800383 |
| 35688572004 | SS-4 | 3546 | 1800383 | EPA 8141 | 1800383 |
| 35688572005 | SS-5 | 3546 | 1800383 | EPA 8141 | 1800383 |
| 35688572006 | SS-6 | 3546 | 1800383 | EPA 8141 | 1800383 |
| 35688572001 | SS-1 | 8151A | 1800806 | EPA 8151 | 1800806 |
| 35688572002 | SS-2 | 8151A | 1800806 | EPA 8151 | 1800806 |
| 35688572005 | SS-5 | 8151A | 1800806 | EPA 8151 | 1800806 |
| 35688572006 | SS-6 | 8151A | 1800806 | EPA 8151 | 1800806 |
| 35688572001 | SS-1 | EPA 3546 | 790784 | EPA 8081 | 790941 |
| 35688572002 | SS-2 | EPA 3546 | 790784 | EPA 8081 | 790941 |
| 35688572003 | SS-3 | EPA 3546 | 790784 | EPA 8081 | 790941 |
| 35688572004 | SS-4 | EPA 3546 | 790784 | EPA 8081 | 790941 |
| 35688572005 | SS-5 | EPA 3546 | 790784 | EPA 8081 | 790941 |
| 35688572006 | SS-6 | EPA 3546 | 790784 | EPA 8081 | 790941 |
| 35688572007 | SS-7 | EPA 3546 | 790784 | EPA 8081 | 790941 |
| 35688572008 | SS-8 | EPA 3546 | 790948 | EPA 8081 | 790970 |
| 35688572009 | SS-9 | EPA 3546 | 790948 | EPA 8081 | 790970 |
| 35688572010 | SS-10 | EPA 3546 | 790948 | EPA 8081 | 790970 |
| 35688572008 | SS-8 | EPA 3546 | 790947 | EPA 8082 | 790971 |
| 35688572009 | SS-9 | EPA 3546 | 790947 | EPA 8082 | 790971 |
| 35688572010 | SS-10 | EPA 3546 | 790947 | EPA 8082 | 790971 |
| 35688572008 | SS-8 | EPA 3546 | 791499 | FL-PRO | 791578 |
| 35688572009 | SS-9 | EPA 3546 | 791499 | FL-PRO | 791578 |
| 35688572010 | SS-10 | EPA 3546 | 791499 | FL-PRO | 791578 |
| 35688572001 | SS-1 | EPA 3050 | 792437 | EPA 6010 | 792467 |
| 35688572002 | SS-2 | EPA 3050 | 792437 | EPA 6010 | 792467 |
| 35688572003 | SS-3 | EPA 3050 | 792437 | EPA 6010 | 792467 |
| 35688572004 | SS-4 | EPA 3050 | 792437 | EPA 6010 | 792467 |
| 35688572005 | SS-5 | EPA 3050 | 792437 | EPA 6010 | 792467 |
| 35688572006 | SS-6 | EPA 3050 | 792437 | EPA 6010 | 792467 |
| 35688572007 | SS-7 | EPA 3050 | 792437 | EPA 6010 | 792467 |
| 35688572008 | SS-8 | EPA 3050 | 792437 | EPA 6010 | 792467 |
| 35688572009 | SS-9 | EPA 3050 | 792437 | EPA 6010 | 792467 |
| 35688572010 | SS-10 | EPA 3050 | 792437 | EPA 6010 | 792467 |
| 35688572001 | SS-1 | EPA 7471 | 792995 | EPA 7471 | 793153 |
| 35688572002 | SS-2 | EPA 7471 | 792995 | EPA 7471 | 793153 |
| 35688572005 | SS-5 | EPA 7471 | 792995 | EPA 7471 | 793153 |
| 35688572006 | SS-6 | EPA 7471 | 792995 | EPA 7471 | 793153 |
| 35688572007 | SS-7 | EPA 7471 | 792995 | EPA 7471 | 793153 |
| 35688572008 | SS-8 | EPA 3546 | 790628 | EPA 8270 | 791080 |
| 35688572009 | SS-9 | EPA 3546 | 790628 | EPA 8270 | 791080 |
| 35688572010 | SS-10 | EPA 3546 | 790628 | EPA 8270 | 791080 |

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 21.42 Acre Test

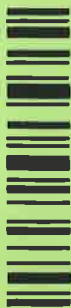
Pace Project No.: 35688572

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------|-----------------|----------|-------------------|------------------|
| 35688572008 | SS-8 | EPA 5035 | 790633 | EPA 8260 | 790648 |
| 35688572009 | SS-9 | EPA 5035 | 790633 | EPA 8260 | 790648 |
| 35688572010 | SS-10 | EPA 5035 | 790633 | EPA 8260 | 790648 |
| 35688572001 | SS-1 | ASTM D2974-87 | 793177 | | |
| 35688572002 | SS-2 | ASTM D2974-87 | 793177 | | |
| 35688572003 | SS-3 | ASTM D2974-87 | 793177 | | |
| 35688572004 | SS-4 | ASTM D2974-87 | 793177 | | |
| 35688572005 | SS-5 | ASTM D2974-87 | 793177 | | |
| 35688572006 | SS-6 | ASTM D2974-87 | 793177 | | |
| 35688572007 | SS-7 | ASTM D2974-87 | 793177 | | |
| 35688572008 | SS-8 | ASTM D2974-87 | 793177 | | |
| 35688572009 | SS-9 | ASTM D2974-87 | 793177 | | |
| 35688572010 | SS-10 | ASTM D2974-87 | 793177 | | |
| 35688572001 | SS-1 | SM 2540 G | 1801259 | SM 2540G | 1801259 |
| 35688572002 | SS-2 | SM 2540 G | 1801259 | SM 2540G | 1801259 |
| 35688572003 | SS-3 | SM 2540 G | 1801259 | SM 2540G | 1801259 |
| 35688572004 | SS-4 | SM 2540 G | 1801259 | SM 2540G | 1801259 |
| 35688572005 | SS-5 | SM 2540 G | 1801259 | SM 2540G | 1801259 |
| 35688572006 | SS-6 | SM 2540 G | 1801259 | SM 2540G | 1801259 |

REPORT OF LABORATORY ANALYSIS

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WO#: 35688572



35688572

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

It constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubfs/pas-standard-term.pdf>

Section C

Invoice Information:

| | | | |
|-----------------------------------------------------------|----------|------------------------------------------------|--|
| Report To: George Evans | | Attention: | |
| Company: YPC Consulting Group | Copy To: | Company Name: | |
| Address: 5931 Country Lakes Drive Fort Myers, FL 33905 | | Address: | |
| Email: georgesevans@ypcconsulting.com | | Pace Quote: | |
| Phone: 863-899-9126 | Fax: | Pace Project Manager: lon.palmer@pacelabs.com, | |
| Requested Due Date: | | Pace Profile #: 7119-17 / 1 | |
| Project #: | | State / Location: FL | |
| Regulatory Agency: | | Regulatory Agency: | |

| ITEM # | MATRIX Drinking Water Water Waste Water Product Soil/Solid Oil Wipe Air Other Tissue | CODE DW WT WW P SL OL WP AR OT TS | SAMPLE ID One Character per box. (A-Z, 0-9 / -) | Sample ids must be unique | MATRIX CODE (see valid codes to left) | SAMPLE TYPE (G=GRAB C=COMP) | COLLECTED | | | | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | Preservatives | | | | | | | | | | Analyses Test Y/N | Requested Analysis Filtered (Y/N) | | | | | | | | | | | | | | | | | | | | Residual Chlorine (Y/N) |
|--------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------|---------------------------|------------------------------------------|--------------------------------|-----------|-----|------|------|---------------------------|-----------------|---------------|-------|------|-----|------|---------|----------|-------|--------------------|-------------|----------------------|-----------------------------------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------------------|
| | | | | | | | START | END | DATE | TIME | | | Unpreserved | H2SO4 | HNO3 | HCl | NaOH | Na2S2O3 | Methanol | Other | 8081 Pest / RCRA 8 | 8141 / 8151 | | 8081 Pest / Arsenic | 1618 only | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|----------------------------|-------------------------------|----------------------|--------|---------------------------|-----------------------|----------------------|-------------------|
| Empty Containers | Pace | 12/23/24 | 1410 | George Evans | 12/27/24 | 0900 | |
| | George Evans | 1/6/22 | 0800 | George Evans | 1/6/22 | 1137 | 7022 |
| | George Evans | 1/6/22 | 1332 | Dawn Margaret pace | 1-6-22 | 1322 | 2.5 |
| | DS Pace | 1-6-22 | 1400 | George Evans | 1-6-22 | 1900 | |
| | | | | George Evans | 1/6 | 2117 | 3.4 |
| SAMPLER NAME AND SIGNATURE | PRINT Name of SAMPLER | SIGNATURE of SAMPLER | DATE | SIGNATURE of SAMPLER | PRINT Name of SAMPLER | SIGNATURE of SAMPLER | DATE |
| George Evans | George Evans | George Evans | 1/5/22 | George Evans | George Evans | George Evans | 1/5/22 |

Proj # 21EY356

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section C
Invoice Information:

Section B
Required Project Information:

Section A: Required Client Information:

| | | | | |
|-----------------------------------|--|-------------------------|-------------------------------------------------|---------|
| Company: YPC Consulting Group | | Report To: George Evans | Attention: | |
| Address: 5931 Country Lakes Drive | | Copy To: | Company Name: | |
| Fort Myers, FL 33905 | | | Address: | |
| Purchase Order #: | | | Pace Quote: | |
| Project Name: 21 42 Acre Tract | | | Pace Project Manager: lori.palmer@pacelabs.com, | |
| Project #: | | | Pace Profile #: | 7119-27 |
| Requested Due Date: | | | | FL |
| Regulatory Agency | | | | |
| State / Location | | | | |

[illegible]

| ADDITIONAL COMMENTS | RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS | | | | |
|----------------------------|-------------------------------|------------------------|------|---------------------------|----------|-------------|-------------------|-------------|-----------|----------------------|--------------|
| | | | | | | | TEMP in C | Received on | Ice (Y/N) | Custody Sealed (Y/N) | Cooler (Y/N) |
| Empty Containers | <i>George Evans</i> | 12/27/11 | 1725 | <i>George Evans</i> | 12/27/11 | 0900 | | | | | |
| | <i>George Evans</i> | 1/6/12 | 0900 | <i>George Evans</i> | 1/6/12 | 1130 | | | | | |
| | <i>George Evans</i> | 1/6/12 | 1322 | <i>George Evans</i> | 1-6-12 | 1322 | 2.5 | 4 | N | Y | |
| | <i>George Evans</i> | 1-6-12 | 1900 | <i>George Evans</i> | 1-6-12 | 1900 | 3.4 | | | | |
| SAMPLER NAME AND SIGNATURE | | PRINT Name of SAMPLER: | | SIGNATURE of SAMPLER: | | DATE SIGNED | | | | | |
| <i>George Evans</i> | | <i>George Evans</i> | | <i>George Evans</i> | | 1/5/12 | | | | | |

Used Oil Crup : Pro # 21EY856

Page 66 of 68



Project #
Project Manager:
Client:

WO#: 35688572

PM: LAP Due Date: 01/13/22
CLIENT: 37-YPCCON

SCUR)

Date and Initials of person:
Examining contents:
Label:
Deliver:
pH:

Thermometer Used: T-393 Date: 1/6/22 Time: 2135 Initials: CPI

State of Origin:

☐ For WV projects, all containers verified to $\leq 6^{\circ}\text{C}$

Cooler #1 Temp. $^{\circ}\text{C}$ 3.4 (Visual) (Correction Factor) 3.4 (Actual)
Cooler #2 Temp. $^{\circ}\text{C}$ 3.2 (Visual) (Correction Factor) 3.2 (Actual)
Cooler #3 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)
Cooler #4 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)
Cooler #5 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)
Cooler #6 Temp. $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual)
Recheck for OOT $^{\circ}\text{C}$ (Visual) (Correction Factor) (Actual) Time: Initials:

☐ Samples on ice, cooling process has begun
☐ Samples on ice, cooling process has begun
☐ Samples on ice, cooling process has begun
☐ Samples on ice, cooling process has begun
☐ Samples on ice, cooling process has begun
☐ Samples on ice, cooling process has begun

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☒ Commercial ☐ Pace ☐ Other
Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ International Priority
☐ Other

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking #

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No Ice: Wet Blue Melted None

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Samples shorted to lab (If Yes, complete) Shorted Date: Shorted Time: Qty:

Comments:

| | | |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------|
| Chain of Custody Present | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Chain of Custody Filled Out | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Relinquished Signature & Sampler Name COC | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Samples Arrived within Hold Time | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Rush TAT requested on COC | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | |
| Sufficient Volume | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Correct Containers Used | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Containers Intact | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Sample Labels match COC (sample IDs & date/time of collection) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| All containers needing acid/base preservation have been checked. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Preservation Information: |
| All Containers needing preservation are found to be in compliance with EPA recommendation: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Preservative: |
| Exceptions: Vials, Microbiology, O&G, PFAS | | Lot #/Trace #: |
| | | Date: Time: |
| | | Initials: |
| Headspace in VOA Vials? (>6mm): | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | |
| Trip Blank Present: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | |

Comments/ Resolution (use back for additional comments):



WO#: 35688572

CUR)

Project #
Project Manager:
Client:

PM: LAP Due Date: 01/13/22
CLIENT: 37-YPCCON

Date and Initials of person:
Examining contents: _____
Label: _____
Deliver: _____
pH: _____

Thermometer Used: T202

Date: 1-6-22 Time: 1322 Initials: DS

State of Origin: FL

☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp. °C 2.3 (Visual) +0.2 (Correction Factor) 2.5 (Actual)

Cooler #2 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #3 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #4 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #5 Temp. °C (Visual) (Correction Factor) (Actual)

Cooler #6 Temp. °C (Visual) (Correction Factor) (Actual)

Recheck for OOT °C (Visual) (Correction Factor) (Actual) Time: Initials:

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other

Shipping Method: ☐ First Overnight ☐ Priority Overnight ☐ Standard Overnight ☐ Ground ☐ International Priority
☐ Other

Billing: ☐ Recipient ☐ Sender ☐ Third Party ☐ Credit Card ☐ Unknown

Tracking #

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☐ No Ice: Wet Blue Melted None

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Samples shorted to lab (If Yes, complete) Shorted Date: Shorted Time: Qty:

Comments:

| | | |
|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------|
| Chain of Custody Present | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Chain of Custody Filled Out | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Relinquished Signature & Sampler Name COC | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Samples Arrived within Hold Time | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Rush TAT requested on COC | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Sufficient Volume | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Correct Containers Used | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Containers Intact | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Sample Labels match COC (sample IDs & date/time of collection) | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| All containers needing acid/base preservation have been checked. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Preservation Information: |
| All Containers needing preservation are found to be in compliance with EPA recommendation: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Preservative: _____ |
| Exceptions: Vials, Microbiology, O&G, PFAS | | Lot #/Trace #: _____ |
| | | Date: _____ Time: _____ |
| | | Initials: _____ |
| Headspace in VOA Vials? (>6mm): | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Trip Blank Present: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |

Comments/ Resolution (use back for additional comments):

Phase II Environmental Site Assessment Report
Approximate 21.42 Acre Tract
7780 Lightard Knott Lane
Fort Myers, Lee County, Florida
Project No. 21EY856

YPC Consulting Group, PL
27 January 2022

APPENDIX D

RESUME



| | |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EDUCATION | University of North Carolina at Charlotte - Charlotte, North Carolina Bachelor of Science in Earth Sciences (Geology), 1978 |
| REGISTRATIONS/ LICENSES | Licensed Professional Geologist – Florida #1457 and Georgia #1274 Licensed Environmental Professional #134 |
| TRAINING | Ground Water and Unsaturated Zone Monitoring and Sampling, 1985 The Second Multidisciplinary Conference on Sinkholes and the Environmental Impacts of Karst, 1989 Hazardous Waste Management under RCRA, 1994 Advanced Hazardous Waste Management under RCRA, 1994 IBM-PC Applications for Ground Water Pollution and Hydrology, 1996 Phase I Environmental Site Assessments, 1999 Phase II Environmental Site Assessments, 2000 All Appropriate Inquiry, 2006 Brownfields Redevelopment and Reuse in Florida, 2006 FDEP Risk Based Corrective Actions Seminar, 2007 Continuing OSHA Hazardous Waste Site Operations (HAZWOPER) since 1989 including Site Supervisor Training, 1993 |

PROFESSIONAL EXPERIENCE PROFILE:

| | |
|------------------------|----------------------------------------------------------------------------------------------------|
| 2011 to Present | YPC Consulting Group, P.L., Fort Myers, Florida Environmental Services Manager |
| 2007-2011 | American Compliance Technologies, Inc., Lakeland, Florida Senior Project Manager |
| 1997-2007 | ASC Geosciences, Inc.; Lakeland, Florida Director of Geoenvironmental Services/Regional Manager |
| 1995-1996 | HSA Scientists and Engineers; Tampa, Florida Senior Geologist |
| 1991-1995 | Missimer & Associates; Tampa, Florida Senior Geologist |
| 1983-1991 | Cline Engineering; Oldsmar, Florida Geologist |
| 1979-1983 | Law Engineering Testing Company; Charlotte, North Carolina Geotechnical Engineering Technician |



PROFESSIONAL EXPERIENCE

George E. Evans is currently the Environmental Services Manager/Senior Geologist at YPC Consulting Group, PL. He has been a geologist for more than 29 years with over 21 years of project management experience in contamination assessments and remediation including project scope development, project oversight, report preparation, report review, and permit preparation. Projects include both hazardous and non-hazardous substances/wastes including volatile and semi-volatile organic compounds such as solvents, petroleum related constituents, pesticides, herbicides as well as metals. He has successfully managed petroleum preapproval projects and has acted as quality assurance manager.

As a project manager, his responsibilities involved every aspect of projects from proposal preparation through project closure. This includes obtaining contract approval, job initiation, budgetary analysis, budget tracking, subcontractor invoice review, invoice preparation, and collections. Mr. Evans' experience also includes regulatory agency negotiation, subcontractor selection, and environmental expert during meetings.

Developed many site assessment reports and generally achieved first time approval of the report through the applicable regulatory agency. Written several remedial action plans with recommendations for AS/SVE, pump and treat, low flow pump and treat, in-situ bioremediation, and participated in many others.

While at ASC Geosciences, Inc. Mr. Evans was responsible for re-starting the environmental services division. He was promoted to the regional manager for the Central Florida area with over-site of geotechnical engineering, materials testing, and environmental services.

SUMMARY OF PROJECT EXPERIENCE

Consultant for several Brownfields sites including projects in Jacksonville, Fort Myers, and Polk County, Florida. For the Jacksonville site project tasks included finishing the site assessment, preparing the remedial action plan, and preparing the risk assessment. For the Brownfields site in Fort Myers tasks included performance of an All Appropriate Inquiry which resulted in the determination of areas recommended for further investigation. The developer entered into a Brownfields Site Rehabilitation Agreement with the Florida Department of Environmental Protection and acquired the property. The Polk County project tasks for several sites included All Appropriate Inquiries, Site Specific Quality Assurance Project Plans, and Phase II Environmental Site Assessments.

Senior Project Manager for numerous site assessments and remediation projects at petroleum contaminated facilities and non-petroleum sites. Sites include FDEP administered Preapproval Program sites and sites regulated by Chapter 62-770 of the Florida Administrative Code (F.A.C.) Petroleum Contaminated Site Cleanup Criteria. Also managed sites regulated by Chapter 62-780 F.A.C. Contaminated Site Cleanup Criteria and Chapter 62-785 F.A.C. Brownfields Cleanup Criteria.

Senior Project Manager for a major boat manufacturer in Manatee County, Florida. Volatile organic compounds were suspected in groundwater. A contamination assessment was performed with oversight by the Florida Department of Environmental Protection. Up to 50% acetone in groundwater was discovered beneath the facility. Subsurface investigation activities were performed in Level B personal protective equipment. The groundwater plume was delineated and a remedial action pilot study was performed. The pilot study revealed that the selected remedial alternative was applicable to site conditions.



Project Manager for a dry cleaner facility project in Fort Lauderdale, Florida. Groundwater beneath the facility was determined to be impacted by the solvent tetrachloroethene (common drycleaner spot remover). The resulting groundwater investigation found impacts to neighboring properties and the regional drinking water aquifer. Remediation involved injections of sodium permanganate which greatly reduced solvent concentrations.

Consultant for numerous Phase I/Phase II Environmental Site Assessments (ESAs). Sites ranged from small commercial properties, large commercial/industrial facilities, and small to large undeveloped and agricultural sites up to 20,000 acres in size. Performed many Phase I/Phase II ESAs for the Southwest Florida Water Management District.

Consultant for a land developer in Collier/Lee Counties, Florida. One project entailed the performance of 80 Phase I ESAs in 60 days. Many other projects were performed on agricultural properties and wooded properties.

Senior Project Manager on several RCRA facilities including two sites in Georgia. Contaminates were primarily solvents and metals.

Senior Project Manager for several sites where Risk Based Corrective Actions were performed utilizing the benzo-a-pyrene equivalents conversion table and the TRPH fractions calculator.