From: Holbrooks, Kevin E. - Dir Air & Lab Permitting & Compliance
To: SCO
Cc: "Dever, Greg"
Subject: SJRPP decommissioning Basin Closure Report
Date: Thursday, October 15, 2020 11:59:05 AM

Ann,

Per SJRPP Site Cert amendment “Stormwater Management System Construction Activities” a final report summarizing the basin modifications and closures has been completed.
Due to the file size the report can be found at sftp.aptim.com.
Greg will be sending you updated password information so you can access file.
If you have questions just let Greg or I know.

Thanks
Kevin

JEA ST. JOHNS RIVER POWER PARK
BASINS AND COAL STORAGE YARD CLOSURE SUMMARY
11201 New Berlin Road
Jacksonville, Duval County, Florida

APTIM Project 631229337

October 7, 2020

Submitted to:

JEA
Environmental Department
21 West Church Street
Jacksonville, Florida 32202

Submitted by:

Aptim Environmental & Infrastructure, LLC
9143 Philips Highway, Suite 400
Jacksonville, Florida 32256

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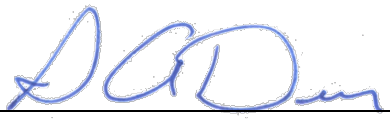

Gregory A. Dever, P.E.
Lead Engineer

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Acronyms and Abbreviations

APTIM	Aptim Environmental & Infrastructure, LLC
bls	below land surface
CCR	coal combustion residual
COC	chain-of-custody
DE	Direct Exposure
FAC	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
FGD	fluidized gas desulfurization
FP&L	Florida Power & Light
ft	feet or foot
HDPE	high-density polyethylene
mg/kg	milligrams per kilogram
NELAC	National Environmental Laboratory Accreditation Council
SCTL	Soil Cleanup Target Level
SJRPP	St. Johns River Power Park
SOP	standard operating procedure

1.0 Introduction

Aptim Environmental & Infrastructure, LLC (APTIM) is the Owner's engineer overseeing the St. Johns River Power Park (SJRPP) site decommissioning and demolition. The site is located at 11201 New Berlin Road, Jacksonville, Florida 32226. The site decommissioning and demolition activities completed by the demolition contractor included closure of the former plant wastewater storage basins and the coal storage yard. This report documents the basins and coal storage yard materials removals, closures, soil sample collection, and soil sample laboratory analyses results. A site location map is provided on **Figure 1**.

1.1 Site Background

The SJRPP is a former 1,300 MW coal-fired electric generating station consisting of two units co-owned by JEA and Florida Power & Light (FP&L). The 1,600 acre plant site is located in the northeast section of Jacksonville, Florida. The main plant area was roughly 325-acres in size.

The plant was constructed in the early 1980's. Unit 1 began commercial production on March 27, 1987. Unit 2 was completed a year later and began its operation on May 27, 1988. Plant operations ceased on January 3, 2018. Decommissioning began in January 2018 and was completed in April 2018, followed directly by demolition activities.

Coal to fuel the plant was supplied via a conveyor system from a shipping terminal on Blount Island and from rail. Coal was stored in a lined storage yard (approximately 42-acres) on the south end of the site. Wastewaters generated from the plant operations were accumulated in basins on the site, which were then processed through an on-site wastewater treatment plant.

Decommissioning, demolition, and closure activities were conducted under a Site Certification Amendment approved by the Florida Department of Environmental Protection Siting Office on 12/7/2017.

2.0 Wastewater Storage Basins and Coal Storage Yard Characteristics

Eight wastewater storage basins, two coal pile runoff basins, and the coal storage yard were closed as part of the plant demolition activities. The basins and coal storage yard locations are shown on **Figure 2**. A summary of the basins, liner conditions, and their former usage is provided in the table below.

BASIN/YARD	LINED	FUNCTION
Landfill Runoff	No	Received and temporarily stored contact water from the site Area B landfill.
Pre-Sedimentation	Concrete	Received wet ash from the FGD System for settling and separation.
East & West Equalization	HDPE	Received and temporarily stored pre-sedimentation basin supernatant, water flow from the oil/water separator, contact water from the P9 basin, and water from the ash processing area sumps.
Oily Wastes (OW 6 and OW 7)	HDPE	Received and temporarily stored oily wastes from plant operations.
East & West Metal Cleaning Waste	HDPE	Received and temporarily stored waste from boiler blowdowns and cleaning operations.
North & South Coal Storage Runoff	HDPE	Received and temporarily stored stormwater runoff from the coal storage pile and limestone storage area.
Coal Storage Yard	HDPE	Stored coal for plant operations.
Coal Storage Yard Trench	Concrete	Conveyed stormwater runoff from the coal pile and limestone storage area to the runoff basins.

The wastewater storage basins discharged via pumps into the on-site wastewater treatment plant. The basins provided surge volume, temporary storage, and settling/separation. No process treatment occurred in the basins.

3.0 Wastewater Storage Basins and Coal Storage Yard Closures

Closure soil samples were collected using a stainless-steel hand auger with a 3-inch diameter bucket to the depths noted in the summary tables. Sample collection and equipment decontamination were performed in accordance with the Florida Department of Environmental Protection (FDEP) DEP-SOP-001/01.

3.1 Landfill Runoff Basin Closure

The landfill runoff basin received contact water from the landfills. The site demolition stormwater design required re-use and expansion of this basin into a stormwater pond. Since this basin was not lined and was being converted to a stormwater pond, the bottom two feet of soil was removed and placed into the on-site Area B landfill. The basin closure consisted of the following approach.

- Waters remaining in the basin were processed through the on-site wastewater treatment plant.
- Groundwater recovered from outside the basin to facilitate the over-excavation and backfill placement was processed through the on-site wastewater treatment plant. Dewatering waters were not discharged to surface waters.
- The basin was over-excavated by removing 2-ft of soil from the bottom and side slopes and disposed in the on-site Area B landfill as authorized by the FDEP Site Certification Amendment dated 12/7/2017.
- After the over-excavation, soil samples were collected from the excavated basin bottom. Sample locations are shown in **Figure 3**. The samples were shipped to Pace Analytical Laboratories, a National Environmental Laboratory Accreditation Council (NELAC) certified laboratory in Jacksonville, Florida for analyses of select parameters based on the basin's prior usage. A copy of the laboratory analyses report is provided in **Appendix A**. A summary of the laboratory analyses results is provided in **Table 1**.
- The laboratory analyses detected arsenic in the soil sample collected in the basin's northeast corner (M-P9-NE-6) at a concentration of 2.8 milligrams per kilogram (mg/kg), which is above the FDEP Chapter 62-777, Florida Administrative Code (FAC) Soil Cleanup Target Level (SCTL) for Residential Direct Exposure (DE) concentration of 2.1 mg/kg. Additional soil samples were collected below and 25 feet out from sample location M-P9-NE-6. Arsenic was detected in sample M-P9-NE-25-W-12 at a concentration of 2.3 mg/kg. A 50-ft by 25-ft area east of M-P9-NE-6 was further excavated to a depth of 1 ft below the over-excavated bottom. A 50-ft by 50-ft area centered around M-P9-NE-25-W-12 was further excavated to a depth of 2 ft below the over-excavated bottom. The additional soil excavation limits are shown on **Figure 3**. This additional excavated soil was transported to the on-site Area B landfill.

3.2 Pre-Sedimentation Basin Closure

The pre-sedimentation basin received wet ash from the FGD system. This basin was constructed of reinforced concrete with walls and a bottom 3-ft thick. The basin closure consisted of the following approach.

- Waters remaining in the basin were processed through the on-site wastewater treatment plant.
- Groundwater recovered from outside the basin to facilitate the concrete demolition and backfill placement was processed through the on-site wastewater treatment plant or discharged onto land surface and allowed to infiltrate. Dewatering waters were not discharged to surface waters.
- Any de minimus sediments encountered were removed and disposed of in the on-site Area B landfill as authorized by the FDEP Site Certification Amendment dated 12/7/2017.
- After sediment removal, the interior concrete surface was pressure washed. Pressure wash water was processed through the on-site wastewater treatment plant.
- After pressure washing, the concrete bottom was demolished and completely removed. The sidewalls were demolished to a depth of 3-ft below grade. Concrete rubble from the demolition was re-sized for placement as backfill or for off-site use.
- After the concrete bottom removal, soil samples were collected from the bottom. Sample locations are shown in **Figure 4**. The samples were shipped to Pace Analytical Laboratories in Jacksonville, Florida for analyses of select parameters based on the basin's prior usage. A copy of the laboratory analyses report is provided in **Appendix A**. A summary of the laboratory analyses results is provided in **Table 2**. All of the analyzed parameter concentrations were below the FDEP Chapter 62-777 SCTLs.
- The basin was backfilled with soil from a clean off-site borrow pit. Copies of the borrow pits soil samples laboratory analyses reports are provided in **Appendix B**.

3.3 West and East Equalization Basins Closure

The west and east equalization basins received pre-sedimentation basin supernatant, water flow from the oil/water separator, contact water from the P9 basin, and water from the ash processing area sumps. These basins were lined with 60-mil thick high-density polyethylene (HDPE) liners. The basin closure consisted of the following approach.

- Waters remaining in the basins were processed through the on-site wastewater treatment plant.
- Groundwater recovered from outside the basin to facilitate the liner removal and backfill placement was processed through the on-site wastewater treatment plant or discharged onto land surface and allowed to infiltrate. Dewatering waters were not discharged to surface waters.
- Any de minimus sediments encountered were removed and disposed in the on-site Area B landfill as authorized by the FDEP Site Certification Amendment dated 12/7/2017.

- After sediment removal, the liners were removed, sized, transported, and disposed at the Waste Management Chesser Island Road Landfill in Folkston, Georgia (Chesser Island Landfill).
- Soil samples were collected from soils within the 1st foot below the liner of each basin. Sample locations are shown in **Figure 4**. The samples were shipped to Pace Analytical Laboratories in Jacksonville, Florida for analyses of select parameters based on the basins' prior usage. Copies of the laboratory analyses reports are provided in **Appendix A**. A summary of the laboratory analyses results is provided in **Tables 3 and 4**. All of the analyzed parameter concentrations were below the FDEP Chapter 62-777 SCTLs.
- The below liner soil sample satisfactory lab results notwithstanding, the 1st foot of soil below the liners was removed and disposed in the on-site Area B landfill.
- The basins were backfilled with soil from the SJRPP site and fill imported from a clean off-site borrow pit. Copies of the borrow pits soil samples laboratory analyses reports are provided in **Appendix B**.

3.4 Oily Waste Basins Closure

The OW6 and OW7 oily waste basins received oily water from the sump system within the power block. These basins were lined with 60-mil thick HDPE liners. The basin closure consisted of the following approach.

- Waters remaining in the basins were processed through the oil/water separator and the on-site wastewater treatment plant.
- Groundwater recovered from outside the basin to facilitate the liner removal and backfill placement was processed through the on-site wastewater treatment plant. Dewatering waters were not discharged to surface waters.
- Used oil and water remaining in the basins was removed via vacuum truck and transported to Water Recovery, Inc. in Jacksonville for disposal. Copies of the manifests are provided in **Appendix C**.
- Any de minimus sediments encountered were removed and stabilized for transport and disposal at the Chesser Island Landfill. Copies of the manifests are provided in **Appendix D**.
- After sediment removal, the liners were removed, sized, transported, and disposed at the Chesser Island Landfill.
- Soil samples were collected from soils within the 1st foot below the liner of each basin. Sample locations are shown in **Figure 4**. The samples were shipped to Pace Analytical Laboratories in Jacksonville, Florida for analyses of select parameters based on the basins' prior usage. Copies of the laboratory analyses reports are provided in **Appendix A**. A summary of the laboratory analyses results is provided in **Tables 5 and 6**. All of the analyzed parameter concentrations were below the FDEP Chapter 62-777 SCTLs.

- The below liner soil sample satisfactory lab results notwithstanding, the 1st foot of soil below the liners was removed and disposed at the Chesser Island Landfill. Copies of the manifests are provided in **Appendix E**.
- The basins were backfilled with soil from the SJRPP site and fill imported from a clean off-site borrow pit. Copies of the borrow pits soil samples laboratory analyses reports are provided in **Appendix B**.

3.5 West Metal Cleaning Waste Basin Closure

The west metal cleaning waste basin received wastewater from boiler blowdowns and cleaning operations. This basin was lined with a 60-mil thick HDPE liner. The basin closure consisted of the following approach.

- Waters remaining in the basin were processed through the on-site wastewater treatment plant.
- Groundwater recovered from outside the basin to facilitate the liner removal and backfill placement was processed through the on-site wastewater treatment plant. Dewatering waters were not discharged to surface waters.
- Any de minimus sediments encountered were removed and disposed in the on-site Area B landfill as authorized by the FDEP Site Certification Amendment dated 12/7/2017.
- After sediment removal, the liner was removed, sized, transported, and disposed at the Chesser Island Landfill.
- Soil samples were collected from soils within the 1st foot below the liner. Sample locations are shown in **Figure 5**. The samples were shipped to Pace Analytical Laboratories in Jacksonville, Florida for analyses of select parameters based on the basin's prior usage. Copies of the laboratory analyses reports are provided in **Appendix A**. A summary of the laboratory analyses results is provided in **Table 7**. All of the analyzed parameter concentrations were below the FDEP Chapter 62-777 SCTLs.
- The below liner soil sample satisfactory lab results notwithstanding, the 1st foot of soil below the liners was removed and disposed in the on-site Area B landfill.
- The basin was backfilled with soil from the SJRPP site and fill imported from a clean off-site borrow pit. Copies of the borrow pits soil samples laboratory analyses reports are provided in **Appendix B**.

3.6 East Metal Cleaning Waste Basin Closure

The east metal cleaning waste basin received wastewater from boiler blowdowns and cleaning operations. This basin was lined with a 60-mil thick HDPE liner. The basin closure consisted of the following approach.

- Waters remaining in the basin were processed through the on-site wastewater treatment plant.
- Groundwater recovered from outside the basin to facilitate the liner removal and backfill placement was processed through the on-site wastewater treatment plant or discharged onto

land surface and allowed to infiltrate. Dewatering waters were not discharged to surface waters.

- Any de minimus Sediments encountered were removed and disposed in the on-site Area B landfill as authorized by the FDEP Site Certification Amendment dated 12/7/2017.
- After sediment removal, the liner was removed, sized, transported, and disposed at the Chesser Island Landfill.
- Soil samples were collected from soils within the 1st foot below the liner. Sample locations are shown in **Figure 5**. The samples were shipped to Pace Analytical Laboratories in Jacksonville, Florida for analyses of select parameters based on the basin's prior usage. Copies of the laboratory analyses reports are provided in **Appendix A**. A summary of the laboratory analyses results is provided in **Table 8**.
- The laboratory analyses detected arsenic, selenium, and vanadium in the soil samples collected in the basin west end (E-MCB-W-SB-01) and in the middle (E-MCB-M-SB-01) at concentrations above their respective FDEP Chapter 62-777 SCTLs.

  After receipt of the 0-1 ft interval soil sample results, additional soil samples were collected in the 1-2 ft below liner interval and the 2-3 ft below liner interval at the west end and middle basin sample locations. The laboratory analyses of the 1-2 ft interval samples detected arsenic, selenium, and vanadium in the basin west end sample (E-MCB-W-SB-02) at concentrations above their respective FDEP Chapter 62-777 SCTLs. Arsenic and selenium were detected in the basin middle sample (E-MCB-M-SB-02) at concentrations above their respective FDEP Chapter 62-777 SCTLs.

  All of the analyzed parameter concentrations in the 2-3 ft interval samples (E-MCB-W-SB-03 and E-MCB-M-SB-03) were below the FDEP Chapter 62-777 SCTLs.

- Three-fourths of the basin bottom from the west end to the mid-point between the middle and east end sample locations was over-excavated to a depth of 3 ft below the liner. The soil excavation limits are shown on **Figure 5**. The excavated soil was removed and disposed in the on-site Area B landfill.
- The basin was backfilled with soil from the SJRPP site and fill imported from a clean off-site borrow pit. Copies of the borrow pits soil samples laboratory analyses reports are provided in **Appendix B**.

3.7 North Coal Storage Runoff Basin Closure

The north coal storage runoff basin received stormwater runoff contact water from the adjacent coal storage yard. This basin was lined with a 60-mil thick HDPE liner. The basin closure consisted of the following approach.

- Waters remaining in the basin were processed through the on-site wastewater treatment plant.
- Groundwater recovered from outside the basin to facilitate the liner removal and backfill placement was processed through the on-site wastewater treatment plant or discharged onto land surface and allowed to infiltrate. Dewatering waters were not discharged to surface waters.
- Any de minimus sediments encountered were removed and disposed in the on-site Area B landfill as authorized by the FDEP Site Certification Amendment dated 12/7/2017.
- After sediment removal, the liner was removed, sized, transported, and disposed at the Chesser Island Landfill.
- Soil samples were collected from soils within the 1st foot below the liner. Sample locations are shown in **Figure 5**. The samples were shipped to Pace Analytical Laboratories in Jacksonville, Florida for analyses of select parameters based on the basin's prior usage. Copies of the laboratory analyses reports are provided in **Appendix A**. A summary of the laboratory analyses results is provided in **Table 9**. All of the analyzed parameter concentrations were below the FDEP Chapter 62-777 SCTLs.
- The basin was backfilled with soil from the SJRPP site and fill imported from a clean off-site borrow pit. Copies of the borrow pits soil samples laboratory analyses reports are provided in **Appendix B**.

3.8 South Coal Storage Runoff Basin Closure

The south coal storage runoff basin received stormwater runoff contact water from the adjacent coal storage yard. This basin was lined with a 60-mil thick HDPE liner. The basin closure consisted of the following approach.

- Waters remaining in the basin were processed through the on-site wastewater treatment plant.
- Groundwater recovered from outside the basin to facilitate the liner removal and backfill placement was processed through the on-site wastewater treatment plant. Dewatering waters were not discharged to surface waters.
- Sediments were removed and disposed in the on-site Area B landfill as authorized by the FDEP Site Certification Amendment dated 12/7/2017.
- After sediment removal, the liner was removed, sized, transported, and disposed at the Chesser Island Landfill.
- Soil samples were collected from soils within the 1st foot below the liner. Sample locations are shown in **Figure 5**. The samples were shipped to Pace Analytical Laboratories in Jacksonville, Florida for analyses of select parameters based on the basin's prior usage. Copies of the laboratory analyses reports are provided in **Appendix A**. A summary of the laboratory analyses results is provided in **Table 10**. All of the analyzed parameter concentrations were below the FDEP Chapter 62-777 SCTLs.

- The below liner soil sample satisfactory lab results notwithstanding, the 1st foot of soil below the liner was removed and disposed in the on-site Area B landfill.
- The basin was backfilled with soil from the SJRPP site and fill imported from a clean off-site borrow pit.

3.9 Coal Storage Yard Closure

The coal storage yard received coal via a conveyor system from a shipping terminal on Blount Island or from the rail dumper building. The coal storage yard was lined with a 100-mil thick HDPE liner. The liner perimeter was attached and sealed to the concrete perimeter trench with stainless steel battens. The yard closure consisted of the following approach.

- The coal was removed from the storage yard and transferred to the Northside Generating Station. The protective sand layer overlying the liner between the liner and the former coal layer was removed and disposed in the on-site Area B landfill as authorized by the FDEP Site Certification Amendment dated 12/7/2017.
- After the protective sand layer removal, the liner was removed, sized, transported, and disposed at the Chesser Island Landfill. The concrete perimeter trench remained in place until the liner was completely removed.
- Soil samples were collected from soils within the 1st foot below the liner. Sample locations are shown in **Figure 6**. The samples were shipped to Pace Analytical Laboratories in Jacksonville, Florida for analyses of select parameters based on the yard's prior usage. Copies of the laboratory analyses reports are provided in **Appendix A**. A summary of the laboratory analyses results is provided in **Table 11A**. All of the analyzed parameter concentrations were below the FDEP Chapter 62-777 SCTLs.
- After the liner removal, a small area in the south end of the coal storage yard had a thin layer of coal fines mixed with the first few inches of the remaining soil surface. This soil with coal fines was excavated until all visual coal fines were removed. The material was disposed in the on-site Area B landfill. The soil excavation limits are shown on **Figure 6**.
- The coal storage yard area was regraded and backfilled with soil from the SJRPP site and fill imported from a clean off-site borrow pit.

3.10 Coal Storage Yard Perimeter Trench Closure

The coal storage yard perimeter trench conveyed stormwater runoff from the coal storage yard and limestone storage area to the north and south coal storage runoff basins. The coal storage yard perimeter trench was lined with reinforced concrete, 12-inches thick in the bottom and roughly 2-feet thick on the inside face sealed with the liner. The trench closure consisted of the following approach.

- Sediments within the coal storage yard trench were removed and disposed in the on-site Area B landfill.
- After sediment removal, the interior concrete surface was pressure washed. Pressure wash water was processed through the on-site wastewater treatment plant.
- After pressure washing, the concrete was demolished and completely removed. Concrete rubble from the demolition was re-sized for placement as backfill or for off-site use.
- Soil samples were collected from soils within the 1st foot below the liner. Sample locations are shown in **Figure 6**. The samples were shipped to Pace Analytical Laboratories in Jacksonville, Florida for analyses of select parameters based on the trench's prior usage. Copies of the laboratory analyses reports are provided in **Appendix A**. A summary of the laboratory analyses results is provided in **Table 11B**. All of the analyzed parameter concentrations were below the FDEP Chapter 62-777 SCTLs.
- After the concrete removal, a small area in the south end of the coal storage yard perimeter trench had an approximate 1-ft think layer of coal fines that had accumulated through some concrete cracks. This material was excavated until all visual coal fines were removed. The material was disposed in the on-site Area B landfill. The soil excavation limits are shown on **Figure 6**.
- The coal storage yard perimeter trench was regraded to match the site final grades and contours.

4.0 Conclusions

4.1 Conclusions

The basins and coal storage yard closure soil sample laboratory analyses results indicate the soils below the liners were not impacted by the wastewaters and materials being stored, with the exception of small areas in the Landfill Runoff Basin and the East Metal Cleaning Waste Basin. Minor visual coal fines were also noted in small areas in the south end of the Coal Storage Yard and the Perimeter Trench. These small area soil impacts were excavated, removed, and disposed into the on-site Area B landfill to eliminate potential sources of groundwater impacts.

5.0 Limitations

The observations and recommendations described in this report are consistent with generally accepted professional consulting principles and practices. No other warranty, expressed or implied, is made. Opinions and recommendations contained in this report apply to conditions presently known and are intended only for the client, purposes, locations, time frames, and project parameters indicated. In preparing this report, APTIM relied upon information and documents provided by Client or third parties, including public agencies. Such information or documents are not guaranteed or verified by APTIM, and Client is advised that any errors or changes therein might change the results of the report. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

Tables

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Table 1

Landfill Runoff Basin Post-Excavation Bottom Soil Samples

Laboratory Analyses Summary

Sample			Laboratory Analyses (EPA Methods 6010/7471)											
Boring Number	Date Collected	Sample Interval (ft below excavation bottom)	Arsenic (mg/kg)	Barium (mg/kg)	Boron (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Molybdenum (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Vanadium (mg/kg)
M-P9-NE-6	08/09/2018	0-6"	**2.8**	**19.7**	**3.5**	0.031 U	**5.9**	**3.3**	**0.019**	**2.8**	**2.1**	**0.83 I**	0.16 U	**7.6**
M-P9-NW-6	08/09/2018	0-6"	0.31 U	**4.6**	**2.1 I**	0.031 U	**4.0**	**2.7**	**0.033**	**0.38 I**	**0.99**	0.47 U	0.16 U	**2.8**
M-P9-SE-6	08/09/2018	0-6"	**0.43 I**	**13.7**	**3.0**	0.029 U	**6.2**	**4.4**	**0.0092**	**0.45 I**	**0.85**	0.43 U	0.14 U	**4.1**
M-P9-SW-6	08/09/2018	0-6"	**0.42 I**	**8.8**	1.4 U	0.029 U	**3.4**	**1.8**	0.0039 U	0.29 U	**0.66**	0.43 U	0.14 U	**3.4**
M-P9-NE-12	8/15/2018	12"	**0.31 I**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
M-P9-NE-25 E 12	8/15/2018	12"	0.32 U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
M-P9-NE-25 N 12	8/15/2018	12"	**0.51 I**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
M-P9-NE-25 S 12	8/15/2018	12"	**0.31 I**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
M-P9-NE-25 W 12	8/15/2018	12"	**2.3**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Leachability Based on Groundwater Criteria (mg/kg)			***	1600	***	7.5	38	***	2.1	***	130	5.2	17	980
Direct Exposure Residential (mg/kg)			2.1	120	17000	82	210	400	3	440	340	440	410	67
Direct Exposure Commercial/Industrial (mg/kg)			12	130000	430000	1700	470	1400	17	11000	35000	11000	8200	10000

Notes:

NA = Not Available

NS = Not Sampled

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

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

*** = Leachability values may be derived using the SPLP Test to calculate site-specific SCTLs

Exceeds Leachability Based on Groundwater Criteria Limits

Exceeds Direct Exposure Residential Limits

Exceeds Direct Exposure Commercial/Industrial Limits

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Table 2

Pre-Sedimentation Basin Post-Concrete Bottom Removal Soil Samples

Laboratory Analyses Summary

Sample			Analytes											
Boring No.	Date Collected	Sample Interval (ft below concrete bottom)	Arsenic	Barium	Boron	Cadmium	Chromium	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Vanadium
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
PB North SB 0-1	06/15/2020	0-1	0.29 U	**3.3**	**6.2**	0.029 U	**2.0**	**2.3**	0.0054 U	0.29 U	**0.72**	0.44 U	0.15 U	**1.9**
PB South SB 0-1	06/15/2020	0-1	0.30 U	**4.7**	**10.5**	0.030 U	**3.0**	**2.5**	**0.0091 I**	0.30 U	**0.64**	0.46 U	0.15 U	**2.1**
Leachability Based on Groundwater Criteria (mg/kg)			*	1,600	*	7.5	38	*	2.1	*	130	5.2	17	980
Direct Exposure Residential (mg/kg)			2.1	120	17,000	82	210	400	3	440	340	440	410	67
Direct Exposure Commercial/Industrial (mg/kg)			12	130,000	430,000	1,700	470	1,400	17	11,000	35,000	11,000	8,200	10,000

Notes:

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.

* = Leachability values may be derived using the SPLP Test to calculate site-specific SCTLs or may be determined using TCLP in the event oily wastes are present.

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Table 3

West Equalization Basin Post-Liner Removal Soil Samples

Laboratory Analyses Summary

Sample			Analytes											
Boring No.	Date Collected	Sample Interval (ft below liner)	Arsenic	Barium	Boron	Cadmium	Chromium	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Vanadium
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
EQ WEST NE SB 0-1	3/27/2020	0-1	0.33 U	**4.7**	**9.7**	0.033 U	**3**	**2.9**	**0.018**	0.33 U	**0.71**	0.50 U	0.17 U	**2.2**
EQ WEST NW SB 0-1	3/27/2020	0-1	**0.79**	**5.9**	**7.4**	0.032 U	**2.3**	**2.6**	**0.018**	**3.3**	**1**	**0.76 I**	0.16 U	**2.3**
EQ WEST SE SB 0-1	3/27/2020	0-1	0.29 U	**1.6**	**5.8**	0.029 U	**0.7**	**1.3**	**0.0099 I**	**0.53 I**	0.15 U	0.44 U	0.15 U	**0.49 I**
EQ WEST SW SB 0-1	3/27/2020	0-1	0.33 U	**5.3**	**4.2**	0.033 U	**2.2**	**1.9**	**0.0072 I**	0.33 U	**0.75**	0.49 U	0.16 U	**2.1**
Leachability Based on Groundwater Criteria (mg/kg)			*	1,600	*	7.5	38	*	2.1	*	130	5.2	17	980
Direct Exposure Residential (mg/kg)			2.1	120	17,000	82	210	400	3	440	340	440	410	67
Direct Exposure Commercial/Industrial (mg/kg)			12	130,000	430,000	1,700	470	1,400	17	11,000	35,000	11,000	8,200	10,000

Notes:

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.

* = Leachability values may be derived using the SPLP Test to calculate site-specific SCTLs or may be determined using TCLP in the event oily wastes are present.

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Table 4

East Equalization Basin Post-Liner Removal Soil Samples

Laboratory Analyses Summary

Sample			Analytes											
Boring No.	Date Collected	Sample Interval (ft below liner)	Arsenic	Barium	Boron	Cadmium	Chromium	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Vanadium
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
EQ East NE SB 0-1	4/2/2020	0-1	0.26 U	**4.9**	**14.7**	0.026 U	**2.7**	**4.3**	**0.024**	**9.8**	**0.17 I**	**0.91**	0.13 U	**0.93**
EQ East NW SB 0-1	4/2/2020	0-1	0.34 U	**7.2**	**14.4**	0.034 U	**3.2**	**2.5**	**0.0083 I**	**0.39 I**	**0.78**	0.51 U	0.17 U	**3.6**
EQ East SE SB 0-1	4/2/2020	0-1	0.29 U	**0.93**	**3.2**	0.029 U	**0.57**	**0.62**	**0.033**	**1.7**	**0.17 I**	**0.69 I**	0.14 U	**0.34 I**
EQ East SW SB 0-1	4/2/2020	0-1	0.36 U	**3.1**	**5.6**	0.036 U	**0.99**	**1.5**	**0.0099 I**	0.36 U	**0.32 I**	0.53 U	0.18 U	**1.3**
Leachability Based on Groundwater Criteria (mg/kg)			*	1,600	*	7.5	38	*	2.1	*	130	5.2	17	980
Direct Exposure Residential (mg/kg)			2.1	120	17,000	82	210	400	3	440	340	440	410	67
Direct Exposure Commercial/Industrial (mg/kg)			12	130,000	430,000	1,700	470	1,400	17	11,000	35,000	11,000	8,200	10,000

Notes:

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.

* = Leachability values may be derived using the SPLP Test to calculate site-specific SCTLs or may be determined using TCLP in the event oily wastes are present.

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Table 5

Oily Waste OW-6 Basin Post-Liner Removal Soil Sample

Laboratory Analyses Summary

Sample			Analytes											
Boring No.	Date Collected	Sample Interval (ft below liner)	Arsenic	Barium	Boron	Cadmium	Chromium	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Vanadium
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
OW6-North-SB-0-1	05/21/2020	0-1	0.28 U	**3.1**	1.4 U	0.028 U	**1.7**	**1.8**	**0.011**	**30.4**	**0.33**	0.42 U	0.14 U	**1.3**
OW6-South-SB-0-1	05/21/2020	0-1	**0.52 I**	**3.1**	**2.5 I**	0.031 U	**1.4**	**3.5**	**0.0093 I**	**34.1**	**0.76**	0.46 U	0.15 U	**3.0**
Leachability Based on Groundwater Criteria (mg/kg)			*	1,600	*	7.5	38	*	2.1	*	130	5.2	17	980
Direct Exposure Residential (mg/kg)			2.1	120	17,000	82	210	400	3	440	340	440	410	67
Direct Exposure Commercial/Industrial (mg/kg)			12	130,000	430,000	1,700	470	1,400	17	11,000	35,000	11,000	8,200	10,000

Sample			Analytes										
Boring No.	Date Collected	Sample Interval (ft below liner)	Naph-thalene	1-Methyl-naph-thalene	2-Methyl-naph-thalene	Acenaph-thene	Acenaph-thylene	Anthra-cene	Benzo (g,h,i) perylene	Fluoran-thene	Fluorene	Phenan-threne	Pyrene
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
OW6-North-SB-0-1	05/21/2020	0-1	0.013 U	0.015 U	0.015 U	0.013 U	0.012 U	0.014 U	0.0098 U	0.013 U	0.014 U	0.013 U	0.012 U
OW6-South-SB-0-1	05/21/2020	0-1	0.014 U	0.016 U	0.016 U	0.014 U	0.013 U	0.015 U	0.010 U	0.014 U	0.015 U	0.014 U	0.013 U
Leachability Based on Groundwater Criteria (mg/kg)			1.2	3.1	8.5	2.1	27	2500	32000	1200	160	250	880
Direct Exposure Residential (mg/kg)			55	200	210	2400	1800	21000	2500	3200	2600	2200	2400
Direct Exposure Commercial/Industrial (mg/kg)			300	1800	2100	20000	20000	300000	52000	59000	33000	36000	45000

Sample			Analytes								
Boring No.	Date Collected	Sample Interval (ft below liner)	Benzo (a) pyrene	Benzo (a) anthra-cene	Benzo (b) fluoran-thene	Benzo (k) fluoran-thene	Chrysene	Dibenz (a,h) anthra-cene	Indeno (1,2,3-cd) pyrene	Benzo (a) pyrene equivalent	TRPHs (FLPRO)
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
OW6-North-SB-0-1	05/21/2020	0-1	0.0097 U	0.011 U	0.010 U	0.010 U	0.012 U	0.0090 U	0.0089 U	0.011	5.8 U
OW6-South-SB-0-1	05/21/2020	0-1	0.010 U	0.012 U	0.011 U	0.011 U	0.013 U	0.0096 U	0.0095 U	0.011	6.3 U
Leachability Based on Groundwater Criteria (mg/kg)			8	0.8	2.4	24	77	0.7	6.6	**	340
Direct Exposure Residential (mg/kg)			0.1	#	#	#	#	#	#	0.1	460
Direct Exposure Commercial/Industrial (mg/kg)			0.7	#	#	#	#	#	#	0.7	2700

Notes:

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.

* = Leachability values may be derived using the SPLP Test to calculate site-specific SCTLs or may be determined using TCLP in the event oily wastes are present.

** = Leachability value not applicable

= Direct Exposure value not applicable except as part of the Benzo(a)pyrene equivalent.

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Table 6

Oily Waste OW-7 Basin Post-Liner Removal Soil Sample

Laboratory Analyses Summary

Sample			Analytes											
Boring No.	Date Collected	Sample Interval (ft below liner)	Arsenic	Barium	Boron	Cadmium	Chromium	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Vanadium
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
OW7-SB-0-1	05/20/2020	0-1	0.31 U	**2.2**	1.5 U	0.031 U	**1.0**	**1.8**	**0.012**	**13.5**	0.15 U	0.46 U	0.15 U	**1.3**
Leachability Based on Groundwater Criteria (mg/kg)			*	1,600	*	7.5	38	*	2.1	*	130	5.2	17	980
Direct Exposure Residential (mg/kg)			2.1	120	17,000	82	210	400	3	440	340	440	410	67
Direct Exposure Commercial/Industrial (mg/kg)			12	130,000	430,000	1,700	470	1,400	17	11,000	35,000	11,000	8,200	10,000

Sample			Analytes										
Boring No.	Date Collected	Sample Interval (ft below liner)	Naph-thalene	1-Methyl-naph-thalene	2-Methyl-naph-thalene	Acenaph-thene	Acenaph-thylene	Anthra-cene	Benzo (g,h,i) perylene	Fluoran-thene	Fluorene	Phenan-threne	Pyrene
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
OW7-SB-0-1	05/20/2020	0-1	0.014 U	0.016 U	0.016 U	0.014 U	0.013 U	0.014 U	0.010 U	0.013 U	0.015 U	0.013 U	0.013 U
Leachability Based on Groundwater Criteria (mg/kg)			1.2	3.1	8.5	2.1	27	2500	32000	1200	160	250	880
Direct Exposure Residential (mg/kg)			55	200	210	2400	1800	21000	2500	3200	2600	2200	2400
Direct Exposure Commercial/Industrial (mg/kg)			300	1800	2100	20000	20000	300000	52000	59000	33000	36000	45000

Sample			Analytes								
Boring No.	Date Collected	Sample Interval (ft below liner)	Benzo (a) pyrene	Benzo (a) anthra-cene	Benzo (b) fluoran-thene	Benzo (k) fluoran-thene	Chrysene	Dibenz (a,h) anthra-cene	Indeno (1,2,3-cd) pyrene	Benzo (a) pyrene equivalent	TRPHs (FLPRO)
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
OW7-SB-0-1	05/20/2020	0-1	0.010 U	0.012 U	0.011 U	0.011 U	0.013 U	0.0094 U	0.0093 U	0.011	6.2 U
Leachability Based on Groundwater Criteria (mg/kg)			8	0.8	2.4	24	77	0.7	6.6	**	340
Direct Exposure Residential (mg/kg)			0.1	#	#	#	#	#	#	0.1	460
Direct Exposure Commercial/Industrial (mg/kg)			0.7	#	#	#	#	#	#	0.7	2700

Notes:

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.

* = Leachability values may be derived using the SPLP Test to calculate site-specific SCTLs or may be determined using TCLP in the event oily wastes are present.

** = Leachability value not applicable

= Direct Exposure value not applicable except as part of the Benzo(a)pyrene equivalent.

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Table 7

West Metal Cleaning Waste Basin Below Liner Soil Samples

Laboratory Analyses Summary

Sample			Analytes											
Boring No.	Date Collected	Sample Interval (ft below liner)	Arsenic	Barium	Boron	Cadmium	Chromium	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Vanadium
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
MCB1A-SB1-02	06/21/2019	1-2	0.29 U	**7.7**	1.4 U	0.029 U	**2.7**	**3.0**	**0.014**	0.29 U	**0.62**	0.43 U	0.14 U	**1.6**
MCB1A-SB2-02	06/21/2019	1-2	0.28 U	**6.6**	1.4 U	0.028 U	**4.2**	**3.4**	**0.0087**	**0.35 I**	**1.3**	0.43 U	0.14 U	**2.9**
MCB1A-SB3-02	06/21/2019	1-2	0.29 U	**4.1**	1.5 U	0.029 U	**3.4**	**3.7**	**0.013**	**1.7**	**1.1**	0.44 U	0.15 U	**2.1**
Leachability Based on Groundwater Criteria (mg/kg)			*	1,600	*	7.5	38	*	2.1	*	130	5.2	17	980
Direct Exposure Residential (mg/kg)			2.1	120	17,000	82	210	400	3	440	340	440	410	67
Direct Exposure Commercial/Industrial (mg/kg)			12	130,000	430,000	1,700	470	1,400	17	11,000	35,000	11,000	8,200	10,000

Notes:

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

NA = Not Analyzed.

U = Compound was analyzed for but not detected.

* = Leachability values may be derived using the SPLP Test to calculate site-specific SCTLs or may be determined using TCLP in the event oily wastes are present.

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Table 8

East Metal Cleaning Waste Basin Below Liner Soil Samples

Laboratory Analyses Summary

Sample			Analytes											
Boring No.	Date Collected	Sample Interval (ft below liner)	Arsenic	Barium	Boron	Cadmium	Chromium	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Vanadium
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
E-MCB-W-SB-01	8/21/2020	0-1	**37.5**	**60.7**	**3.7**	**0.30**	**24**	**5.5**	**0.028**	**10.9**	**19.5**	**69.6**	0.14 U	**134**
E-MCB-W-SB-02	8/21/2020	1-2	**40.9**	NA	NA	NA	NA	NA	NA	NA	NA	**142**	NA	**75.1**
E-MCB-W-SB-03	8/26/2020	2-3	**0.39 I**	NA	NA	NA	NA	NA	NA	NA	NA	0.51 U	NA	**2.9**
E-MCB-M-SB-01	8/21/2020	0-1	**6.6**	**11.5**	**1.9 I**	**0.094**	**7.2**	**2.7**	**0.030**	**2.2**	**5.2**	**11.9**	0.15 U	**40.4**
E-MCB-M-SB-02	8/21/2020	1-2	**2.9**	NA	NA	NA	NA	NA	NA	NA	NA	**5.5**	NA	NA
E-MCB-M-SB-03	8/26/2020	2-3	0.32 U	NA	NA	NA	NA	NA	NA	NA	NA	0.47 U	NA	NA
E-MCB-E-SB-01	8/21/2020	0-1	**1.2**	**4.7**	1.7 U	0.033 U	**2.8**	**2.3**	**0.017**	**0.38 I**	**1.1**	**0.96 I**	0.17 U	**3.8**
Leachability Based on Groundwater Criteria (mg/kg)			*	1,600	*	7.5	38	*	2.1	*	130	5.2	17	980
Direct Exposure Residential (mg/kg)			2.1	120	17,000	82	210	400	3	440	340	440	410	67
Direct Exposure Commercial/Industrial (mg/kg)			12	130,000	430,000	1,700	470	1,400	17	11,000	35,000	11,000	8,200	10,000

Notes:

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

NA = Not Analyzed.

U = Compound was analyzed for but not detected.

* = Leachability values may be derived using the SPLP Test to calculate site-specific SCTLs or may be determined using TCLP in the event oily wastes are present.

Exceeds Leachability Based on Groundwater Criteria Limits

Exceeds Direct Exposure Residential Limits

Exceeds Direct Exposure Commercial/Industrial Limits

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Table 9

North Coal Runoff Basin Below Liner Soil Samples

Laboratory Analyses Summary

Sample			Analytes											
Boring No.	Date Collected	Sample Interval (ft below liner)	Arsenic	Barium	Boron	Cadmium	Chromium	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Vanadium
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
NCP-NW-E-SB-0-1	6/24/2020	0-1	0.28 U	**7.2**	1.4 U	0.028 U	**3.1**	**2.0**	**0.0082 I**	**0.47 I**	**1.4**	**1.3**	0.14 U	**3.7**
NCP-NW-W-SB-0-1	6/24/2020	0-1	**0.49 I**	**9.7**	**1.8 I**	**0.070**	**2.9**	**2.1**	**0.021**	**2.0**	**4.1**	**5.1**	0.14 U	**9.6**
NCP-SW-E-SB-0-1	6/24/2020	0-1	0.30 U	**5.2**	1.5 U	0.030 U	**1.8**	**1.7**	**0.0079 I**	**0.35 I**	**1.0**	**0.83 I**	0.15 U	**2.3**
NCP-SW-E-SB-0-1	6/24/2020	0-1	0.30 U	**5.4**	1.4 U	0.029 U	**1.5**	**1.5**	0.0054 U	0.29 U	**0.57**	0.43 U	0.14 U	**1.3**
NCP-NE-E-SB-0-1	06/29/2020	0-1	0.26 U	**4.1**	**1.4 I**	0.026 U	**3.0**	**3.9**	**0.011**	0.26 U	**0.26**	0.39 U	0.13 U	**1.4**
NCP-NE-W-SB-0-1	06/29/2020	0-1	0.26 U	**5.6**	1.3 U	0.026 U	**2.8**	**2.6**	**0.048**	**0.62**	**1.0**	**0.88**	0.13 U	**3.1**
NCP-SE-E-SB-0-1	06/29/2020	0-1	0.29 U	**3.6**	1.5 U	0.029 U	**1.1**	**1.0**	0.0057 U	0.29 U	**0.37**	0.44 U	0.15 U	**0.83**
NCP-SE-W-SB-0-1	06/29/2020	0-1	0.33 U	**4.5**	1.7 U	0.033 U	**1.4**	**1.2**	0.0057 U	0.33 U	**0.37**	0.50 U	0.17 U	**1.0**
Leachability Based on Groundwater Criteria (mg/kg)			*	1,600	*	7.5	38	*	2.1	*	130	5.2	17	980
Direct Exposure Residential (mg/kg)			2.1	120	17,000	82	210	400	3	440	340	440	410	67
Direct Exposure Commercial/Industrial (mg/kg)			12	130,000	430,000	1,700	470	1,400	17	11,000	35,000	11,000	8,200	10,000

Notes:

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.

* = Leachability values may be derived using the SPLP Test to calculate site-specific SCTLs or may be determined using TCLP in the event oily wastes are present.

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Table 10

South Coal Runoff Basin Post 1-Foot Removal Soil Samples

Laboratory Analyses Summary

Sample			Analytes										
Boring No.	Date Collected	Sample Interval (ft below liner)	Arsenic	Barium	Boron	Cadmium	Chromium	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Vanadium
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
CYSB1B SB1-02	7/25/2019	1-2	0.35 U	**3.0**	1.7 U	0.035 U	**1.1**	**1.0**	0.0062 U	0.35 U	**0.41**	0.52 U	0.17 U	**0.83**
CYSB1B SB2-02	7/25/2019	1-2	0.39 U	**1.2**	2.0 U	0.039 U	**0.49**	**0.56 I**	0.0058 U	0.39 U	0.20 U	0.59 U	0.20 U	0.39 U
CYSB1B SB3-02	7/26/2019	1-2	**0.39 I**	**3.9**	1.9 U	0.037 U	**1.1**	**0.84**	0.0055 U	0.37 U	**0.23 I**	0.56 U	0.19 U	**0.80**
CYSB1B SB4-02	7/26/2019	1-2	**0.38 I**	**4.2**	1.8 U	0.037 U	**2.8**	**1.3**	0.0058 U	0.37 U	**0.47**	0.55 U	0.18 U	**1.7**
CYSB1B-SB5-02	08/15/2019	1-2	0.37 U	**5.1**	1.9 U	0.037 U	**3.8**	**2.1**	0.0055 U	0.37 U	**0.49**	0.56 U	0.19 U	**2.3**
CYSB1B-SB6-02	08/15/2019	1-2	0.38 U	**16.3**	**2.6 I**	0.038 U	**7.7**	**4.3**	**0.0056 I**	**0.40 I**	**1.3**	0.57 U	0.19 U	**6.6**
CYSB1B-SB7-02	08/15/2019	1-2	0.36 U	**12.4**	**2.8 I**	0.036 U	**6.4**	**3.7**	**0.0073 I**	0.36 U	**1.4**	0.54 U	0.18 U	**4.5**
CYSB1B-SB8-02	08/15/2019	1-2	0.37 U	**4.6**	1.9 U	0.037 U	**2.4**	**1.5**	**0.0058 I**	0.37 U	**0.57**	0.56 U	0.19 U	**1.8**
CYSB-1B-SB10-02	08/16/2019	1-2	0.35 U	**6.0**	1.8 U	0.035 U	**1.6**	**1.5**	**0.0052 I**	0.35 U	**0.33 I**	0.53 U	0.18 U	**1.1**
CYSB-1B-SB11-02	08/16/2019	1-2	0.33 U	**10.6**	**2.0 I**	0.033 U	**2.8**	**2.1**	**0.0076 I**	0.33 U	**0.90**	0.49 U	0.16 U	**2.5**
CYSB-1B-SB12-02	08/16/2019	1-2	0.28 U	**10.9**	**2.3 I**	0.028 U	**3.3**	**2.4**	**0.0085 I**	**0.32 I**	**1.2**	0.43 U	0.14 U	**3.0**
CYSB-1B-SB9-02	08/16/2019	1-2	0.28 U	**12.2**	**1.8 I**	0.028 U	**3.3**	**2.7**	**0.0086 I**	0.28 U	**1.0**	0.43 U	0.14 U	**2.8**
Leachability Based on Groundwater Criteria (mg/kg)			*	1,600	*	7.5	38	*	2.1	*	130	5.2	17	980
Direct Exposure Residential (mg/kg)			2.1	120	17,000	82	210	400	3	440	340	440	410	67
Direct Exposure Commercial/Industrial (mg/kg)			12	130,000	430,000	1,700	470	1,400	17	11,000	35,000	11,000	8,200	10,000

Notes:

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.

* = Leachability values may be derived using the SPLP Test to calculate site-specific SCTLs or may be determined using TCLP in the event oily wastes are present.

JEA SJRPP

Table 11A

Coal Storage Yard Below Liner Soil Samples

Laboratory Analyses Results Summary

Sample			Analytes											
Boring No.	Date Collected	Sample Interval (ft below liner)	Arsenic	Barium	Boron	Cadmium	Chromium	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Vanadium
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
CYSB1-1	12/10/2018	0-1	2.9 U	**7.7**	14.6 U	0.29 U	**3.9**	2.9 U	**0.011**	2.9 U	1.5 U	4.4 U	1.5 U	2.9 U
CYSB2-1	12/10/2018	0-1	0.39 U	**0.54 I**	1.9 U	0.039 U	**0.38 I**	0.39 U	0.0055 U	0.39 U	0.19 U	0.58 U	0.19 U	0.39 U
CYSB3-1	12/10/2018	0-1	0.31 U	**5.1**	1.5 U	0.031 U	**3.1**	**3.2**	**0.0051 I**	0.31 U	**0.45**	0.46 U	0.15 U	**1.6**
CYSB4-1	1/17/2019	0-1	0.28 U	**7.4**	1.4 U	0.028 U	**4.3**	**2.7**	**0.0070 I**	0.28 U	**0.60**	0.42 U	0.14 U	**3.5**
CYSB5-1	1/17/2019	0-1	0.31 U	**2.9**	1.5 U	0.031 U	**1.9**	**1.9**	**0.0059 I**	0.31 U	**0.66**	0.46 U	0.15 U	**1.6**
CYSB6-1	1/17/2019	0-1	0.29 U	**5.3**	1.4 U	0.029 U	**2.4**	**2.3**	**0.0077 I**	0.29 U	**0.82**	0.43 U	0.14 U	**2.6**
CYSB7-1	1/17/2019	0-1	0.28 U	**7.4**	1.4 U	0.028 U	**3.4**	**7.1**	**0.023**	0.28 U	**0.59**	0.42 U	0.14 U	**2.0**
CYSB8-1	1/18/2019	0-1	0.28 U	**4.6**	1.4 U	0.028 U	**3.2**	**2.4**	**0.0068 I**	0.28 U	**0.61**	0.42 U	0.14 U	**2.5**
CYSB9-1	1/18/2019	0-1	0.32 U	**4.0**	1.6 U	0.032 U	**2.7**	**2.4**	**0.0062 I**	0.32 U	**0.46**	0.47 U	0.16 U	**2.0**
CYSB10-1	1/18/2019	0-1	0.28 U	**4.8**	1.4 U	0.028 U	**2.0**	**2.6**	**0.0043 I**	0.28 U	**1.4**	0.42 U	0.14 U	**4.8**
CYSB11-1	1/18/2019	0-1	0.32 U	**8.8**	1.6 U	0.032 U	**4.8**	**2.4**	0.0044 U	0.32 U	**1.2**	0.48 U	0.16 U	**5.0**
Leachability Based on Groundwater Criteria (mg/kg)			*	1,600	*	7.5	38	*	2.1	*	130	5.2	17	980
Direct Exposure Residential (mg/kg)			2.1	120	17,000	82	210	400	3	440	340	440	410	67
Direct Exposure Commercial/Industrial (mg/kg)			12	130,000	430,000	1,700	470	1,400	17	11,000	35,000	11,000	8,200	10,000

Notes:

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.

* = Leachability values may be derived using the SPLP Test to calculate site-specific SCTLs or may be determined using TCLP in the event oily wastes are present.

JEA SJRPP

Table 11B

Coal Storage Yard Perimeter Trench Post-Concrete Bottom Removal Soil Samples

Laboratory Analyses Summary

Sample			Analytes											
Boring No.	Date Collected	Sample Interval (ft below concrete)	Arsenic	Barium	Boron	Cadmium	Chromium	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver	Vanadium
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
CYSS1A	12/3/2019	0-0.5	**0.69**	**6.3**	**1.7 I**	0.034 U	**2.8**	**3.1**	**0.014**	0.34 U	**1.4**	0.51 U	0.17 U	**4.7**
CYSS2A	12/3/2019	0-0.5	0.36 U	**3.6**	1.8 U	0.036 U	**1.9**	**1.8**	**0.0095 I**	0.36 U	**0.62**	0.53 U	0.18 U	**3.0**
CYPDSS3A	12/12/2019	0-0.5	0.30 U	**4.8**	1.5 U	0.030 U	**3**	**2.1**	**0.0093 I**	0.30 U	**1.3**	0.46 U	0.15 U	**2.7**
CYPDSS4A	1/3/2020	0-0.5	0.33 U	**4.1**	1.6 U	0.033 U	**2.2**	**2.6**	0.0053 U	0.33 U	**0.73**	0.49 U	0.16 U	**1.8**
CYSS05A	5/18/2020	0-0.5	**0.29 I**	**6.1**	1.4 U	0.028 U	**1.6**	**3.5**	**0.013**	0.28 U	**1.6**	0.42 U	0.14 U	**4.9**
Leachability Based on Groundwater Criteria (mg/kg)			*	1,600	*	7.5	38	*	2.1	*	130	5.2	17	980
Direct Exposure Residential (mg/kg)			2.1	120	17,000	82	210	400	3	440	340	440	410	67
Direct Exposure Commercial/Industrial (mg/kg)			12	130,000	430,000	1,700	470	1,400	17	11,000	35,000	11,000	8,200	10,000

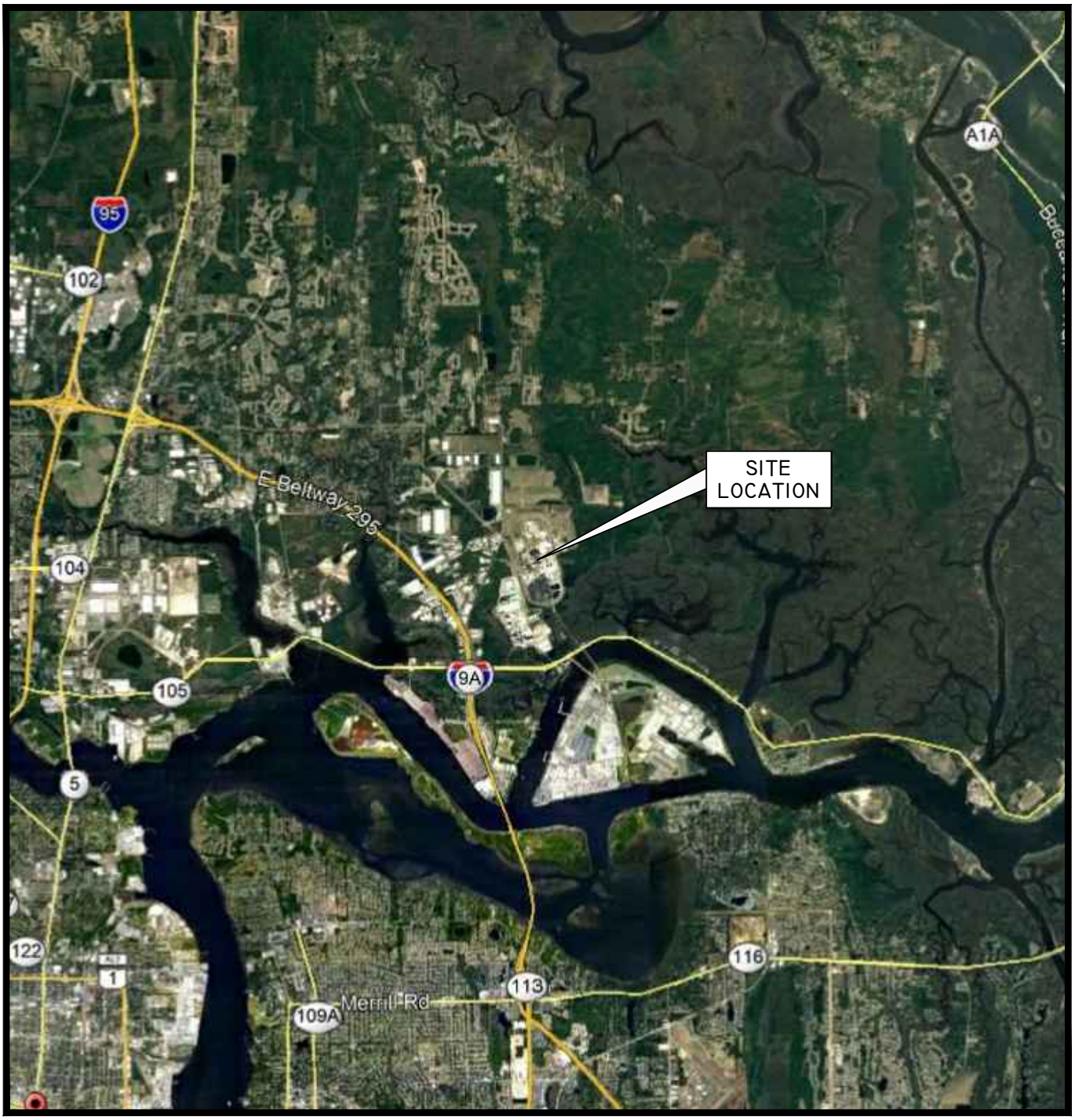
Notes:

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.

* = Leachability values may be derived using the SPLP Test to calculate site-specific SCTLs or may be determined using TCLP in the event oily wastes are present.

Figures



OFFICE: WINTER GARDEN	DATE: 9-14-20	ACAD FILE: 9337A1

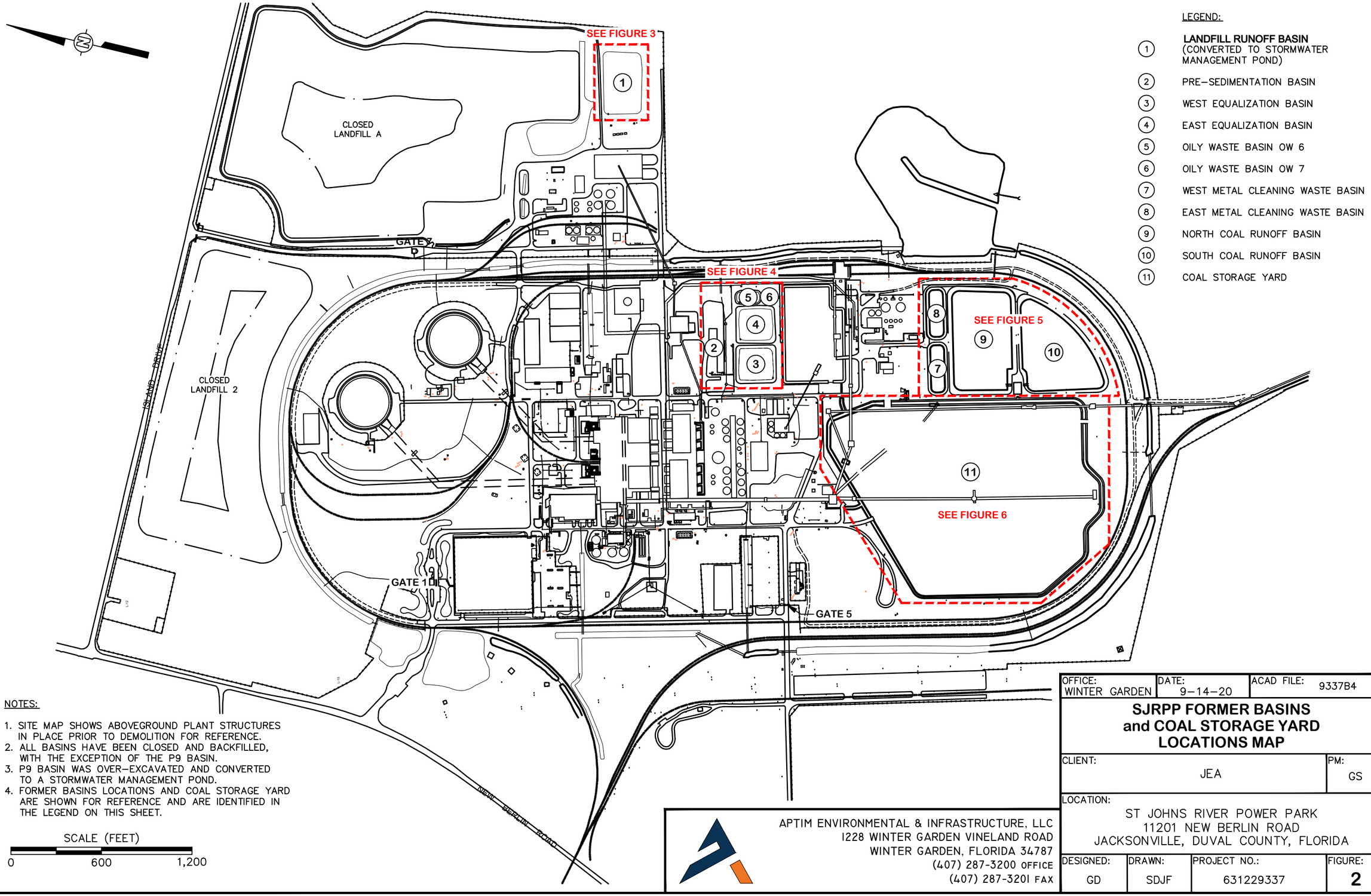
SITE LOCATION MAP

CLIENT: JEA	PM: GS

LOCATION:
ST JOHNS RIVER POWER PARK
11201 NEW BERLIN ROAD
JACKSONVILLE, DUVAL COUNTY, FLORIDA

DESIGNED:	DRAWN:	PROJECT NO.:	FIGURE:
GD	SDJF	631229337	1

APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC
12228 WINTER GARDEN VINELAND ROAD
WINTER GARDEN, FLORIDA 34787
(407) 287-3200 OFFICE
(407) 287-3201 FAX



LEGEND:

1. **LANDFILL RUNOFF BASIN** (CONVERTED TO STORMWATER MANAGEMENT POND)
2. PRE–SEDIMENTATION BASIN
3. WEST EQUALIZATION BASIN
4. EAST EQUALIZATION BASIN
5. OILY WASTE BASIN OW 6
6. OILY WASTE BASIN OW 7
7. WEST METAL CLEANING WASTE BASIN
8. EAST METAL CLEANING WASTE BASIN
9. NORTH COAL RUNOFF BASIN
10. SOUTH COAL RUNOFF BASIN
11. COAL STORAGE YARD

NOTES:

1. SITE MAP SHOWS ABOVEGROUND PLANT STRUCTURES IN PLACE PRIOR TO DEMOLITION FOR REFERENCE.
2. ALL BASINS HAVE BEEN CLOSED AND BACKFILLED, WITH THE EXCEPTION OF THE P9 BASIN.
3. P9 BASIN WAS OVER–EXCAVATED AND CONVERTED TO A STORMWATER MANAGEMENT POND.
4. FORMER BASINS LOCATIONS AND COAL STORAGE YARD ARE SHOWN FOR REFERENCE AND ARE IDENTIFIED IN THE LEGEND ON THIS SHEET.

SCALE (FEET)

0 600 1,200

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WINTER GARDEN, FLORIDA 34787
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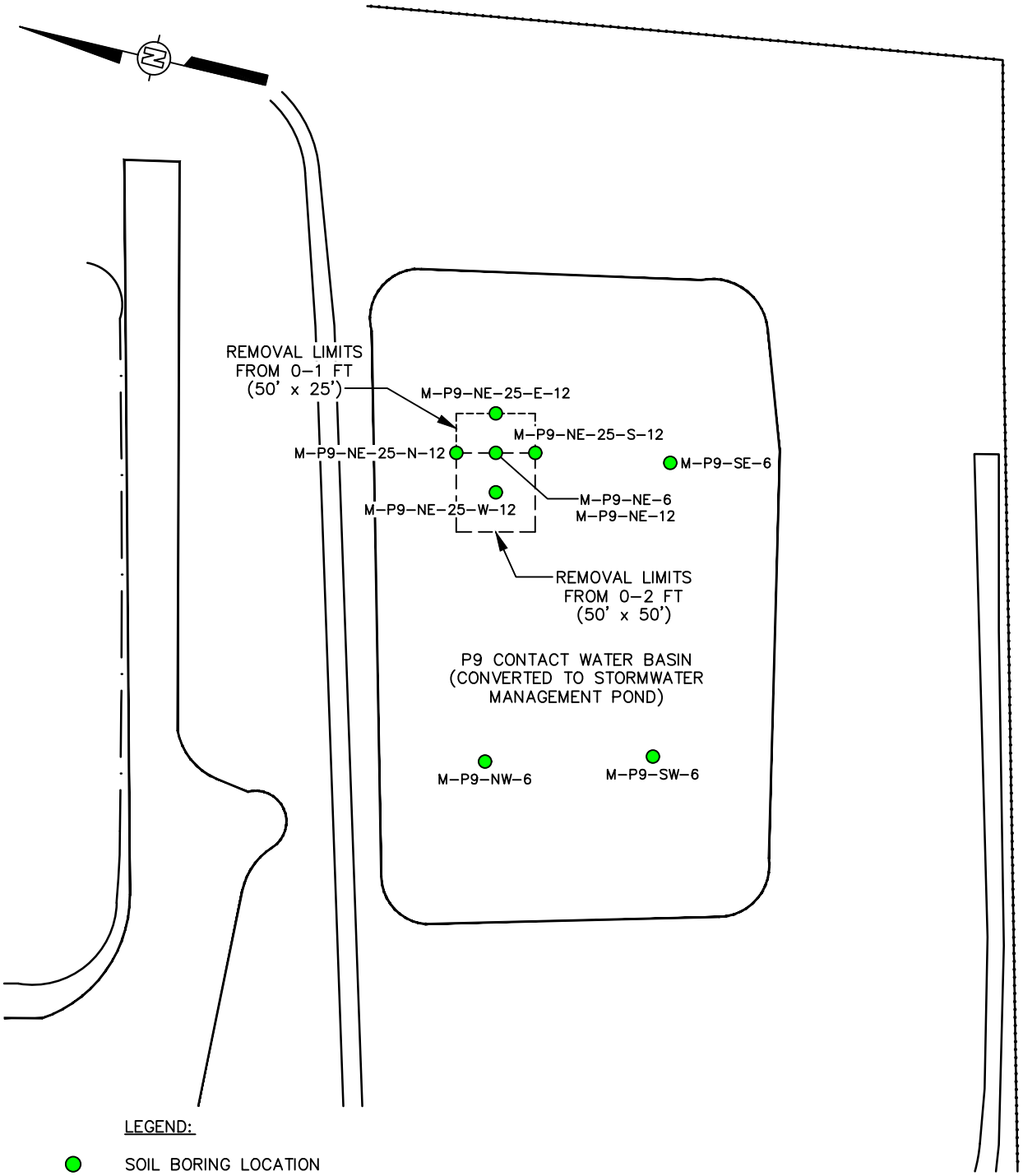
OFFICE:	DATE:	ACAD FILE:
WINTER GARDEN	9–14–20	9337B4

SJRPP FORMER BASINS and COAL STORAGE YARD LOCATIONS MAP

CLIENT:	PM:
JEA	GS

LOCATION:
ST JOHNS RIVER POWER PARK
11201 NEW BERLIN ROAD
JACKSONVILLE, DUVAL COUNTY, FLORIDA

DESIGNED:	DRAWN:	PROJECT NO.:	FIGURE:
GD	SDJF	631229337	2



LEGEND:

SOIL BORING LOCATION

NOTE:

FORMER PLANT STRUCTURES AND BASIN OUTLINES SHOWN FOR REFERENCE.

SCALE (FEET)

0 100 200

OFFICE: WINTER GARDEN	DATE: 9–14–20	ACAD FILE: 9337A2

LANDFILL RUNOFF BASIN POST-EXCAVATION BOTTOM SAMPLES and OVER-EXCAVATION REMOVAL LIMITS

CLIENT: JEA	PM: GS

LOCATION:
ST JOHNS RIVER POWER PARK
11201 NEW BERLIN ROAD
JACKSONVILLE, DUVAL COUNTY, FLORIDA

DESIGNED:	DRAWN:	PROJECT NO.:	FIGURE:
GD	SDJF	631229337	3

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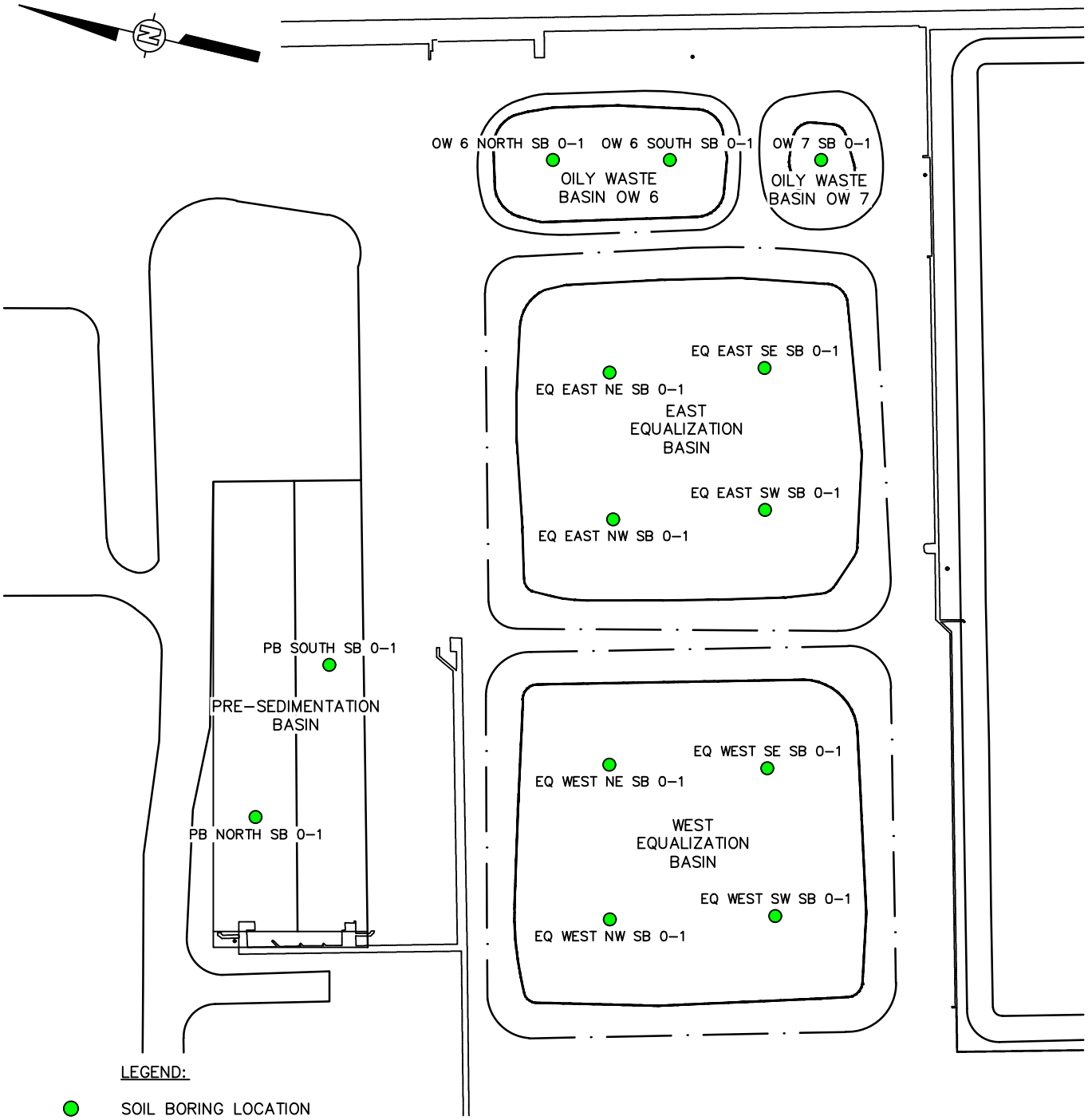

LEGEND:

● SOIL BORING LOCATION

NOTE:

FORMER PLANT STRUCTURES AND BASIN OUTLINES SHOWN FOR REFERENCE.

SCALE (FEET)

0 100 200

OFFICE: WINTER GARDEN	DATE: 9–14–20	ACAD FILE: 9337A3

BASINS SOIL SAMPLE LOCATION MAP

CLIENT: JEA	PM: GS

LOCATION:
ST JOHNS RIVER POWER PARK
11201 NEW BERLIN ROAD
JACKSONVILLE, DUVAL COUNTY, FLORIDA

DESIGNED:	DRAWN:	PROJECT NO.:	FIGURE:
GD	SDJF	631229337	4

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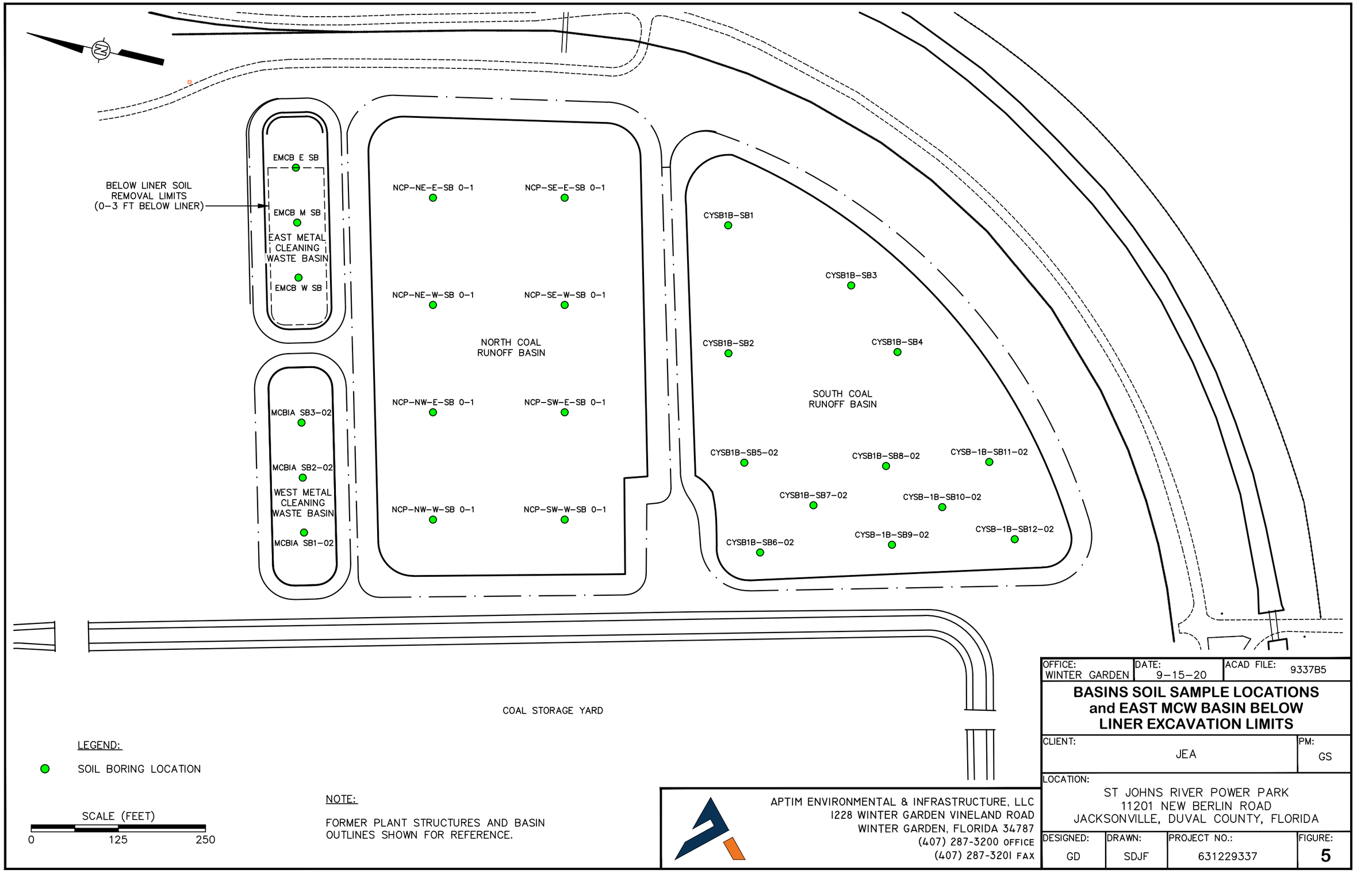

LEGEND:

● SOIL BORING LOCATION

SCALE (FEET)

0 125 250

NOTE:

FORMER PLANT STRUCTURES AND BASIN OUTLINES SHOWN FOR REFERENCE.

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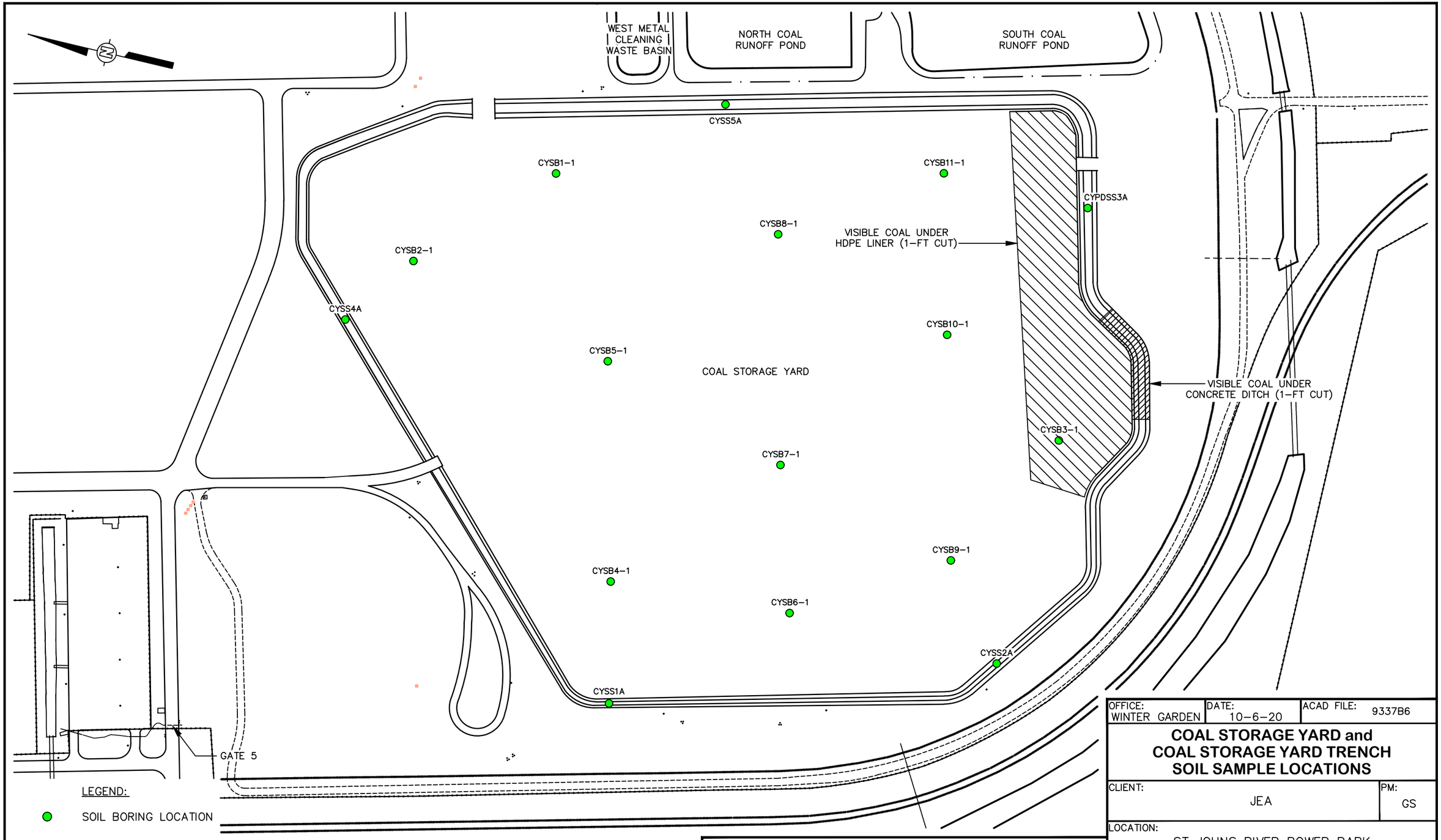
OFFICE: WINTER GARDEN	DATE: 9–15–20	ACAD FILE: 9337B5

BASINS SOIL SAMPLE LOCATIONS and EAST MCW BASIN BELOW LINER EXCAVATION LIMITS

CLIENT: JEA	PM: GS

LOCATION:
ST JOHNS RIVER POWER PARK
11201 NEW BERLIN ROAD
JACKSONVILLE, DUVAL COUNTY, FLORIDA

DESIGNED:	DRAWN:	PROJECT NO.:	FIGURE:
GD	SDJF	631229337	5



LEGEND:

SOIL BORING LOCATION

SCALE (FEET)

0 200 400

NOTE:

FORMER PLANT STRUCTURES AND BASIN OUTLINES SHOWN FOR REFERENCE.

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OFFICE:	DATE:	ACAD FILE:
WINTER GARDEN	10–6–20	9337B6

COAL STORAGE YARD and COAL STORAGE YARD TRENCH SOIL SAMPLE LOCATIONS

CLIENT:	PM:
JEA	GS

LOCATION:
ST JOHNS RIVER POWER PARK
11201 NEW BERLIN ROAD
JACKSONVILLE, DUVAL COUNTY, FLORIDA

DESIGNED:	DRAWN:	PROJECT NO.:	FIGURE:
GD	SDJF	631229337	6

Appendix A
Basins Soil Samples Laboratory Analytical Reports and Chain-of-Custody Documentation

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

August 14, 2018

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP 631229337
Pace Project No.: 35410112

Dear Mr. Dever:
Enclosed are the analytical results for sample(s) received by the laboratory on August 10, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Thomas Rew, APTIM-Environmental & Infrastructure, Inc.

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Pace Analytical Services, LLC
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Ormond Beach, FL 32174
(386)672-5668

CERTIFICATIONS

Project: JEA SJRPP 631229337
Pace Project No.: 35410112

Ormond Beach Certification IDs

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

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Ormond Beach, FL 32174
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SAMPLE SUMMARY

Project: JEA SJRPP 631229337
Pace Project No.: 35410112

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35410112001	**M-P9-SE-6**	Solid	08/09/18 15:15	08/10/18 03:50
35410112002	**M-P9-NE-6**	Solid	08/09/18 15:25	08/10/18 03:50
35410112003	**M-P9-NW-6**	Solid	08/09/18 15:30	08/10/18 03:50
35410112004	**M-P9-SW-6**	Solid	08/09/18 15:35	08/10/18 03:50

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP 631229337
Pace Project No.: 35410112

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35410112001	**M-P9-SE-6**	EPA 6010	SC1	11	PASI-O
		EPA 7471	AMS	1	PASI-O
		ASTM D2974-87	MLO	1	PASI-O
35410112002	**M-P9-NE-6**	EPA 6010	SC1	11	PASI-O
		EPA 7471	AMS	1	PASI-O
		ASTM D2974-87	MLO	1	PASI-O
35410112003	**M-P9-NW-6**	EPA 6010	SC1	11	PASI-O
		EPA 7471	AMS	1	PASI-O
		ASTM D2974-87	MLO	1	PASI-O
35410112004	**M-P9-SW-6**	EPA 6010	SC1	11	PASI-O
		EPA 7471	AMS	1	PASI-O
		ASTM D2974-87	MLO	1	PASI-O

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Ormond Beach, FL 32174
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SUMMARY OF DETECTION

Project: JEA SJRPP 631229337
Pace Project No.: 35410112

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35410112001	**M-P9-SE-6**					
EPA 6010	Arsenic	0.43 I	mg/kg	0.57	08/13/18 23:46	
EPA 6010	Barium	13.7	mg/kg	0.57	08/13/18 23:46	
EPA 6010	Boron	3.0	mg/kg	2.9	08/13/18 23:46	
EPA 6010	Chromium	6.2	mg/kg	0.29	08/13/18 23:46	
EPA 6010	Lead	4.4	mg/kg	0.57	08/13/18 23:46	
EPA 6010	Molybdenum	0.45 I	mg/kg	0.57	08/13/18 23:46	
EPA 6010	Nickel	0.85	mg/kg	0.29	08/13/18 23:46	
EPA 6010	Vanadium	4.1	mg/kg	0.57	08/13/18 23:46	
EPA 7471	Mercury	0.0092	mg/kg	0.0084	08/14/18 13:16	
ASTM D2974-87	Percent Moisture	6.5	%	0.10	08/14/18 08:38	
35410112002	**M-P9-NE-6**					
EPA 6010	Arsenic	2.8	mg/kg	0.63	08/13/18 23:50	
EPA 6010	Barium	19.7	mg/kg	0.63	08/13/18 23:50	
EPA 6010	Boron	3.5	mg/kg	3.1	08/13/18 23:50	
EPA 6010	Chromium	5.9	mg/kg	0.31	08/13/18 23:50	
EPA 6010	Lead	3.3	mg/kg	0.63	08/13/18 23:50	
EPA 6010	Molybdenum	2.8	mg/kg	0.63	08/13/18 23:50	
EPA 6010	Nickel	2.1	mg/kg	0.31	08/13/18 23:50	
EPA 6010	Selenium	0.83 I	mg/kg	0.94	08/13/18 23:50	
EPA 6010	Vanadium	7.6	mg/kg	0.63	08/13/18 23:50	
EPA 7471	Mercury	0.019	mg/kg	0.0075	08/14/18 13:18	
ASTM D2974-87	Percent Moisture	9.1	%	0.10	08/14/18 08:38	
35410112003	**M-P9-NW-6**					
EPA 6010	Barium	4.6	mg/kg	0.63	08/13/18 23:54	
EPA 6010	Boron	2.1 I	mg/kg	3.1	08/13/18 23:54	
EPA 6010	Chromium	4.0	mg/kg	0.31	08/13/18 23:54	
EPA 6010	Lead	2.7	mg/kg	0.63	08/13/18 23:54	
EPA 6010	Molybdenum	0.38 I	mg/kg	0.63	08/13/18 23:54	
EPA 6010	Nickel	0.99	mg/kg	0.31	08/13/18 23:54	
EPA 6010	Vanadium	2.8	mg/kg	0.63	08/13/18 23:54	
EPA 7471	Mercury	0.033	mg/kg	0.0075	08/14/18 13:20	
ASTM D2974-87	Percent Moisture	9.6	%	0.10	08/14/18 08:38	
35410112004	**M-P9-SW-6**					
EPA 6010	Arsenic	0.42 I	mg/kg	0.57	08/13/18 23:58	
EPA 6010	Barium	8.8	mg/kg	0.57	08/13/18 23:58	
EPA 6010	Chromium	3.4	mg/kg	0.29	08/13/18 23:58	
EPA 6010	Lead	1.8	mg/kg	0.57	08/13/18 23:58	
EPA 6010	Nickel	0.66	mg/kg	0.29	08/13/18 23:58	
EPA 6010	Vanadium	3.4	mg/kg	0.57	08/13/18 23:58	
ASTM D2974-87	Percent Moisture	7.4	%	0.10	08/14/18 08:39	

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ANALYTICAL RESULTS

Project: JEA SJRPP 631229337
Pace Project No.: 35410112

Sample: M-P9-SE-6 **Lab ID: 35410112001** Collected: 08/09/18 15:15 Received: 08/10/18 03:50 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								
Arsenic	**0.43 I**	mg/kg	0.57	0.29	1	08/13/18 11:54	08/13/18 23:46	7440-38-2	
Barium	**13.7**	mg/kg	0.57	0.29	1	08/13/18 11:54	08/13/18 23:46	7440-39-3	
Boron	**3.0**	mg/kg	2.9	1.4	1	08/13/18 11:54	08/13/18 23:46	7440-42-8	
Cadmium	**0.029 U**	mg/kg	0.057	0.029	1	08/13/18 11:54	08/13/18 23:46	7440-43-9	
Chromium	**6.2**	mg/kg	0.29	0.14	1	08/13/18 11:54	08/13/18 23:46	7440-47-3	
Lead	**4.4**	mg/kg	0.57	0.29	1	08/13/18 11:54	08/13/18 23:46	7439-92-1	
Molybdenum	**0.45 I**	mg/kg	0.57	0.29	1	08/13/18 11:54	08/13/18 23:46	7439-98-7	
Nickel	**0.85**	mg/kg	0.29	0.14	1	08/13/18 11:54	08/13/18 23:46	7440-02-0	
Selenium	**0.43 U**	mg/kg	0.86	0.43	1	08/13/18 11:54	08/13/18 23:46	7782-49-2	
Silver	**0.14 U**	mg/kg	0.29	0.14	1	08/13/18 11:54	08/13/18 23:46	7440-22-4	
Vanadium	**4.1**	mg/kg	0.57	0.29	1	08/13/18 11:54	08/13/18 23:46	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0092**	mg/kg	0.0084	0.0042	1	08/13/18 15:09	08/14/18 13:16	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.5**	%	0.10	0.10	1		08/14/18 08:38		

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ANALYTICAL RESULTS

Project: JEA SJRPP 631229337
Pace Project No.: 35410112

Sample: M-P9-NE-6 **Lab ID: 35410112002** Collected: 08/09/18 15:25 Received: 08/10/18 03:50 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								
Arsenic	**2.8**	mg/kg	0.63	0.31	1	08/13/18 11:54	08/13/18 23:50	7440-38-2	
Barium	**19.7**	mg/kg	0.63	0.31	1	08/13/18 11:54	08/13/18 23:50	7440-39-3	
Boron	**3.5**	mg/kg	3.1	1.6	1	08/13/18 11:54	08/13/18 23:50	7440-42-8	
Cadmium	**0.031 U**	mg/kg	0.063	0.031	1	08/13/18 11:54	08/13/18 23:50	7440-43-9	
Chromium	**5.9**	mg/kg	0.31	0.16	1	08/13/18 11:54	08/13/18 23:50	7440-47-3	
Lead	**3.3**	mg/kg	0.63	0.31	1	08/13/18 11:54	08/13/18 23:50	7439-92-1	
Molybdenum	**2.8**	mg/kg	0.63	0.31	1	08/13/18 11:54	08/13/18 23:50	7439-98-7	
Nickel	**2.1**	mg/kg	0.31	0.16	1	08/13/18 11:54	08/13/18 23:50	7440-02-0	
Selenium	**0.83 I**	mg/kg	0.94	0.47	1	08/13/18 11:54	08/13/18 23:50	7782-49-2	
Silver	**0.16 U**	mg/kg	0.31	0.16	1	08/13/18 11:54	08/13/18 23:50	7440-22-4	
Vanadium	**7.6**	mg/kg	0.63	0.31	1	08/13/18 11:54	08/13/18 23:50	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.019**	mg/kg	0.0075	0.0037	1	08/13/18 15:09	08/14/18 13:18	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.1**	%	0.10	0.10	1		08/14/18 08:38		

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ANALYTICAL RESULTS

Project: JEA SJRPP 631229337
Pace Project No.: 35410112

Sample: M-P9-NW-6 **Lab ID: 35410112003** Collected: 08/09/18 15:30 Received: 08/10/18 03:50 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								
Arsenic	**0.31 U**	mg/kg	0.63	0.31	1	08/13/18 11:54	08/13/18 23:54	7440-38-2	
Barium	**4.6**	mg/kg	0.63	0.31	1	08/13/18 11:54	08/13/18 23:54	7440-39-3	
Boron	**2.1 I**	mg/kg	3.1	1.6	1	08/13/18 11:54	08/13/18 23:54	7440-42-8	
Cadmium	**0.031 U**	mg/kg	0.063	0.031	1	08/13/18 11:54	08/13/18 23:54	7440-43-9	
Chromium	**4.0**	mg/kg	0.31	0.16	1	08/13/18 11:54	08/13/18 23:54	7440-47-3	
Lead	**2.7**	mg/kg	0.63	0.31	1	08/13/18 11:54	08/13/18 23:54	7439-92-1	
Molybdenum	**0.38 I**	mg/kg	0.63	0.31	1	08/13/18 11:54	08/13/18 23:54	7439-98-7	
Nickel	**0.99**	mg/kg	0.31	0.16	1	08/13/18 11:54	08/13/18 23:54	7440-02-0	
Selenium	**0.47 U**	mg/kg	0.94	0.47	1	08/13/18 11:54	08/13/18 23:54	7782-49-2	
Silver	**0.16 U**	mg/kg	0.31	0.16	1	08/13/18 11:54	08/13/18 23:54	7440-22-4	
Vanadium	**2.8**	mg/kg	0.63	0.31	1	08/13/18 11:54	08/13/18 23:54	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.033**	mg/kg	0.0075	0.0037	1	08/13/18 15:09	08/14/18 13:20	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.6**	%	0.10	0.10	1		08/14/18 08:38		

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ANALYTICAL RESULTS

Project: JEA SJRPP 631229337
Pace Project No.: 35410112

Sample: M-P9-SW-6 **Lab ID: 35410112004** Collected: 08/09/18 15:35 Received: 08/10/18 03:50 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								
Arsenic	**0.42 I**	mg/kg	0.57	0.29	1	08/13/18 11:54	08/13/18 23:58	7440-38-2	
Barium	**8.8**	mg/kg	0.57	0.29	1	08/13/18 11:54	08/13/18 23:58	7440-39-3	
Boron	**1.4 U**	mg/kg	2.9	1.4	1	08/13/18 11:54	08/13/18 23:58	7440-42-8	
Cadmium	**0.029 U**	mg/kg	0.057	0.029	1	08/13/18 11:54	08/13/18 23:58	7440-43-9	
Chromium	**3.4**	mg/kg	0.29	0.14	1	08/13/18 11:54	08/13/18 23:58	7440-47-3	
Lead	**1.8**	mg/kg	0.57	0.29	1	08/13/18 11:54	08/13/18 23:58	7439-92-1	
Molybdenum	**0.29 U**	mg/kg	0.57	0.29	1	08/13/18 11:54	08/13/18 23:58	7439-98-7	
Nickel	**0.66**	mg/kg	0.29	0.14	1	08/13/18 11:54	08/13/18 23:58	7440-02-0	
Selenium	**0.43 U**	mg/kg	0.86	0.43	1	08/13/18 11:54	08/13/18 23:58	7782-49-2	
Silver	**0.14 U**	mg/kg	0.29	0.14	1	08/13/18 11:54	08/13/18 23:58	7440-22-4	
Vanadium	**3.4**	mg/kg	0.57	0.29	1	08/13/18 11:54	08/13/18 23:58	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0039 U**	mg/kg	0.0077	0.0039	1	08/13/18 15:09	08/14/18 13:22	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.4**	%	0.10	0.10	1		08/14/18 08:39		

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QUALITY CONTROL DATA

Project: JEA SJRPP 631229337
Pace Project No.: 35410112

QC Batch: 468664 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 35410112001, 35410112002, 35410112003, 35410112004

METHOD BLANK: 2534214 Matrix: Solid
Associated Lab Samples: 35410112001, 35410112002, 35410112003, 35410112004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0047 U	0.0094	0.0047	08/14/18 12:33	

LABORATORY CONTROL SAMPLE: 2534215

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.098	0.091	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2534216 2534217

Parameter	Units	35408117001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.94 U	18.3	18.3	19.0	18.9	104	104	80-120	1	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP 631229337
Pace Project No.: 35410112

QC Batch: 468921 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
Associated Lab Samples: 35410112001, 35410112002, 35410112003, 35410112004

METHOD BLANK: 2535123 Matrix: Solid
Associated Lab Samples: 35410112001, 35410112002, 35410112003, 35410112004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.24 U	0.49	0.24	08/13/18 22:43	
Barium	mg/kg	0.24 U	0.49	0.24	08/13/18 22:43	
Boron	mg/kg	1.2 U	2.4	1.2	08/13/18 22:43	
Cadmium	mg/kg	0.024 U	0.049	0.024	08/13/18 22:43	
Chromium	mg/kg	0.12 U	0.24	0.12	08/13/18 22:43	
Lead	mg/kg	0.24 U	0.49	0.24	08/13/18 22:43	
Molybdenum	mg/kg	0.24 U	0.49	0.24	08/13/18 22:43	
Nickel	mg/kg	0.12 U	0.24	0.12	08/13/18 22:43	
Selenium	mg/kg	0.37 U	0.73	0.37	08/13/18 22:43	
Silver	mg/kg	0.12 U	0.24	0.12	08/13/18 22:43	
Vanadium	mg/kg	0.24 U	0.49	0.24	08/13/18 22:43	

LABORATORY CONTROL SAMPLE: 2535124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	12.6	11.2	89	80-120	
Barium	mg/kg	12.6	11.9	95	80-120	
Boron	mg/kg	126	105	83	80-120	
Cadmium	mg/kg	1.3	1.2	93	80-120	
Chromium	mg/kg	12.6	12.3	97	80-120	
Lead	mg/kg	12.6	12.1	96	80-120	
Molybdenum	mg/kg	12.6	12.0	95	80-120	
Nickel	mg/kg	12.6	12.2	96	80-120	
Selenium	mg/kg	12.6	10.3	82	80-120	
Silver	mg/kg	1.3	1.1	90	80-120	
Vanadium	mg/kg	12.6	12.0	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2535125 2535126

Parameter	Units	35408907001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	0.74	14	15	12.6	13.4	84	85	75-125	7	20	
Barium	mg/kg	4.5	14	15	19.8	20.5	109	106	75-125	3	20	
Boron	mg/kg	1.2 U	140	150	114	125	81	84	75-125	9	20	
Cadmium	mg/kg	0.026 I	1.4	1.5	1.3	1.4	90	90	75-125	6	20	
Chromium	mg/kg	2.7	14	15	17.7	18.3	106	104	75-125	4	20	
Lead	mg/kg	4.6	14	15	18.0	18.6	96	94	75-125	3	20	
Molybdenum	mg/kg	0.45 I	14	15	13.2	13.8	90	90	75-125	5	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP 631229337
Pace Project No.: 35410112

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2535125 2535126

Parameter	Units	35408907001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nickel	mg/kg	0.70	14	15	14.5	14.9	98	95	75-125	3	20	
Selenium	mg/kg	0.35 U	14	15	11.2	12.0	78	79	75-125	7	20	
Silver	mg/kg	0.12 U	1.4	1.5	1.2	1.3	86	86	75-125	6	20	
Vanadium	mg/kg	2.8	14	15	17.4	18.3	104	103	75-125	5	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP 631229337
Pace Project No.: 35410112

QC Batch: 469146 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 35410112001, 35410112002, 35410112003, 35410112004

SAMPLE DUPLICATE: 2536155

Parameter	Units	35408117001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	99.2	99.1	0	5	

SAMPLE DUPLICATE: 2536156

Parameter	Units	35408907001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.3	7.2	0	5	

SAMPLE DUPLICATE: 2536157

Parameter	Units	35408958001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.9	18.1	1	5	

SAMPLE DUPLICATE: 2536158

Parameter	Units	35409089001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	11.9	11.8	0	5	

SAMPLE DUPLICATE: 2536159

Parameter	Units	35409138007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.0	13.3	2	5	

SAMPLE DUPLICATE: 2536160

Parameter	Units	35409196005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	21.4	14.3	40	5	J(D6)

SAMPLE DUPLICATE: 2536161

Parameter	Units	35409196014 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	11.3	15.0	28	5	J(D6)

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QUALITY CONTROL DATA

Project: JEA SJRPP 631229337
Pace Project No.: 35410112

SAMPLE DUPLICATE: 2536162

Parameter	Units	35409214006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.1	5.8	13	5	J(D6)

SAMPLE DUPLICATE: 2536163

Parameter	Units	35409314003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.6	8.6	13	5	J(D6)

SAMPLE DUPLICATE: 2536164

Parameter	Units	35410112003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.6	9.4	2	5	

SAMPLE DUPLICATE: 2536165

Parameter	Units	92392463044 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.9	25.5	25	5	J(D6)

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QUALIFIERS

Project: JEA SJRPP 631229337
Pace Project No.: 35410112

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.

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TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP 631229337
Pace Project No.: 35410112

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35410112001	**M-P9-SE-6**	EPA 3050	468921	EPA 6010	469027
35410112002	**M-P9-NE-6**	EPA 3050	468921	EPA 6010	469027
35410112003	**M-P9-NW-6**	EPA 3050	468921	EPA 6010	469027
35410112004	**M-P9-SW-6**	EPA 3050	468921	EPA 6010	469027
35410112001	**M-P9-SE-6**	EPA 7471	468664	EPA 7471	469050
35410112002	**M-P9-NE-6**	EPA 7471	468664	EPA 7471	469050
35410112003	**M-P9-NW-6**	EPA 7471	468664	EPA 7471	469050
35410112004	**M-P9-SW-6**	EPA 7471	468664	EPA 7471	469050
35410112001	**M-P9-SE-6**	ASTM D2974-87	469146		
35410112002	**M-P9-NE-6**	ASTM D2974-87	469146		
35410112003	**M-P9-NW-6**	ASTM D2974-87	469146		
35410112004	**M-P9-SW-6**	ASTM D2974-87	469146		

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WO#: 35410112

35410112

Pace Analytical

CHAIN-O ent

The Chain-of-C npleted accurately.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Invoice Information:	
Company:	APTIM-Environmental & Infrastructure, Inc-Jackson	Report To:	Greg Dever	Attention:	
Address:	1228 Winter Garden Vineland Rd	Copy To:		Company Name:	
Winter Garden, FL 34787				Address:	Regulatory Agency
Email:	greg.dever@aptim.com	Purchase Order #:		Pace Quote:	
Phone:	(407)466-6895 Fax:	Project Name:	JEA SJRPP	Pace Project Manager:	todd.rea@pacelabs.com, State / Location
Requested Due Date:		Project #:	631229337	Pace Profile #:	10649-3 FL

ITEM #	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 START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals*(6010/7471)	PAHs (8270SIM)	TRPH (FL-PRO)	Residual Chlorine (Y/N)
1	M-P9-SE-6		G	8/9	1515				1	✓									✓			
2	M-P9-NE-6		G	8/9	1525				1	✓									✓			
3	M-P9-NW-6		G	8/9	1530				1	✓									✓			
4	M-P9-SW-6		G	8/9	1535				1	✓									✓			
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
*RCRA 8 (As, Ba, Cd, Cr, Pb, Hg, Se, Ag) plus B, Mo, Ni, V	Anthony Capelli/APTIM	8/9/18	1659	Alan/PACE	8/9/18	1659				
	Alan/PACE	8/9/18	1700	FLY	8/9/18	1700				
	FLY			Matt PACE	8/10/18	0350	3.1	Y	Y	N

SAMPLER NAME AND SIGNATURE			
PRINT Name of SAMPLER:	Roger Greneville		
SIGNATURE of SAMPLER:	Roger Greneville	DATE Signed:	8/9/18

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # WO#: 35410112

Project Manager: PM: TSR **Due Date:** 08/17/18

Client: CLIENT: SHAJAX

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

Thermometer Used: T338 Date: 8/10/18 Time: 0350 Initials: AJ

State of Origin: _____ ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C 3.1	**(Visual)** 0	**(Correction Factor)**	**(Actual)** 3.1	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	**(Visual)**	**(Correction Factor)**	**(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	**(Visual)**	**(Correction Factor)**	**(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	**(Visual)**	**(Correction Factor)**	**(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	**(Visual)**	**(Correction Factor)**	**(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	**(Visual)**	**(Correction Factor)**	**(Actual)**	☐ 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 Dry 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	☑Yes ☐ No ☐N/A	
Chain of Custody Filled Out	☑Yes ☐ No ☐N/A	
Relinquished Signature & Sampler Name COC	☑Yes ☐ No ☐N/A	
Samples Arrived within Hold Time	☑Yes ☐ No ☐N/A	
Rush TAT requested on COC	☐Yes ☑ No ☐N/A	
Sufficient Volume	☑Yes ☐ No ☐N/A	
Correct Containers Used	☑Yes ☐ No ☐N/A	
Containers Intact	☑Yes ☐ No ☐N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑Yes ☐ No ☐N/A	
All containers needing acid/base preservation have been checked.	☐Yes ☐ No ☑N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐Yes ☐ No ☑N/A	Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
Headspace in VOA Vials? (>6mm):	☐Yes ☐ No ☑N/A	
Trip Blank Present:	☐Yes ☐ No ☑N/A	

Client Notification/ Resolution:
Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments): _____

Project Manager Review: _____ Date: _____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

August 20, 2018

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP
Pace Project No.: 35411284

Dear Mr. Dever:
Enclosed are the analytical results for sample(s) received by the laboratory on August 15, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Thomas Rew, APTIM-Environmental & Infrastructure, Inc.

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CERTIFICATIONS

Project: JEA SJRPP
Pace Project No.: 35411284

Ormond Beach Certification IDs

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

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SAMPLE SUMMARY

Project: JEA SJRPP
Pace Project No.: 35411284

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35411284001	**M-P9-NE-12**	Solid	08/15/18 14:20	08/15/18 17:30
35411284002	**M-P9-NE-25E-12**	Solid	08/15/18 14:25	08/15/18 17:30
35411284003	**M-P9-NE-25W-12**	Solid	08/15/18 14:30	08/15/18 17:30
35411284004	**M-P9-NE-25N-12**	Solid	08/15/18 14:35	08/15/18 17:30
35411284005	**M-P9-NE-25S-12**	Solid	08/15/18 14:40	08/15/18 17:30

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP
Pace Project No.: 35411284

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35411284001	**M-P9-NE-12**	EPA 6010	JWP	1	PASI-O
		ASTM D2974-87	MLO	1	PASI-O
35411284002	**M-P9-NE-25E-12**	EPA 6010	JWP	1	PASI-O
		ASTM D2974-87	MLO	1	PASI-O
35411284003	**M-P9-NE-25W-12**	EPA 6010	JWP	1	PASI-O
		ASTM D2974-87	MLO	1	PASI-O
35411284004	**M-P9-NE-25N-12**	EPA 6010	JWP	1	PASI-O
		ASTM D2974-87	MLO	1	PASI-O
35411284005	**M-P9-NE-25S-12**	EPA 6010	JWP	1	PASI-O
		ASTM D2974-87	MLO	1	PASI-O

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SUMMARY OF DETECTION

Project: JEA SJRPP
Pace Project No.: 35411284

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35411284001	**M-P9-NE-12**					
EPA 6010	Arsenic	0.31 I	mg/kg	0.56	08/18/18 18:59	
ASTM D2974-87	Percent Moisture	11.8	%	0.10	08/16/18 14:43	
35411284002	**M-P9-NE-25E-12**					
ASTM D2974-87	Percent Moisture	12.3	%	0.10	08/16/18 14:43	
35411284003	**M-P9-NE-25W-12**					
EPA 6010	Arsenic	2.3	mg/kg	0.63	08/18/18 19:15	
ASTM D2974-87	Percent Moisture	20.1	%	0.10	08/16/18 14:44	
35411284004	**M-P9-NE-25N-12**					
EPA 6010	Arsenic	0.51 I	mg/kg	0.61	08/18/18 19:19	
ASTM D2974-87	Percent Moisture	24.5	%	0.10	08/16/18 14:44	
35411284005	**M-P9-NE-25S-12**					
EPA 6010	Arsenic	0.31 I	mg/kg	0.52	08/18/18 19:23	
ASTM D2974-87	Percent Moisture	11.4	%	0.10	08/16/18 14:45	

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35411284

Sample: M-P9-NE-12 **Lab ID: 35411284001** Collected: 08/15/18 14:20 Received: 08/15/18 17:30 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								
Arsenic	**0.31 I**	mg/kg	0.56	0.28	1	08/17/18 11:24	08/18/18 18:59	7440-38-2	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.8**	%	0.10	0.10	1		08/16/18 14:43		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35411284

Sample: M-P9-NE-25E-12 **Lab ID: 35411284002** Collected: 08/15/18 14:25 Received: 08/15/18 17:30 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								
Arsenic	**0.32 U**	mg/kg	0.63	0.32	1	08/17/18 11:24	08/18/18 19:11	7440-38-2	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.3**	%	0.10	0.10	1		08/16/18 14:43		

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35411284

Sample: M-P9-NE-25W-12 **Lab ID: 35411284003** Collected: 08/15/18 14:30 Received: 08/15/18 17:30 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								
Arsenic	**2.3**	mg/kg	0.63	0.32	1	08/17/18 11:24	08/18/18 19:15	7440-38-2	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**20.1**	%	0.10	0.10	1		08/16/18 14:44		

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35411284

Sample: M-P9-NE-25N-12 **Lab ID: 35411284004** Collected: 08/15/18 14:35 Received: 08/15/18 17:30 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								
Arsenic	**0.51 I**	mg/kg	0.61	0.31	1	08/17/18 11:24	08/18/18 19:19	7440-38-2	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**24.5**	%	0.10	0.10	1		08/16/18 14:44		

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35411284

Sample: M-P9-NE-25S-12 **Lab ID: 35411284005** Collected: 08/15/18 14:40 Received: 08/15/18 17:30 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								
Arsenic	**0.31 I**	mg/kg	0.52	0.26	1	08/17/18 11:24	08/18/18 19:23	7440-38-2	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.4**	%	0.10	0.10	1		08/16/18 14:45		

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35411284

QC Batch: 470184 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
Associated Lab Samples: 35411284001, 35411284002, 35411284003, 35411284004, 35411284005

METHOD BLANK: 2542100 Matrix: Solid
Associated Lab Samples: 35411284001, 35411284002, 35411284003, 35411284004, 35411284005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.30 U	0.60	0.30	08/19/18 17:36	

LABORATORY CONTROL SAMPLE: 2542101

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	12.8	10.5	82	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2542102 2542103

Parameter	Units	35410416001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	0.42 I	14.4	14.6	14.2	14.0	96	93	75-125	2	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35411284

QC Batch: 469965 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 35411284001, 35411284002, 35411284003, 35411284004, 35411284005

SAMPLE DUPLICATE: 2540766

Parameter	Units	35410372001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	28.6	25.5	11	5	J(D6)

SAMPLE DUPLICATE: 2540767

Parameter	Units	35410986001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.5	4.5	1	5	

SAMPLE DUPLICATE: 2540768

Parameter	Units	35411080004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.8	5.0	15	5	J(D6)

SAMPLE DUPLICATE: 2540769

Parameter	Units	35411175004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.2	17.7	22	5	J(D6)

SAMPLE DUPLICATE: 2540770

Parameter	Units	35411175013 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.4	4.8	12	5	J(D6)

SAMPLE DUPLICATE: 2540772

Parameter	Units	35411175031 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.2	7.4	18	5	J(D6)

SAMPLE DUPLICATE: 2540777

Parameter	Units	35411175024 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.8	9.1	7	5	J(D6)

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35411284

SAMPLE DUPLICATE: 2540781

Parameter	Units	35411284002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.3	11.8	5	5	

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QUALIFIERS

Project: JEA SJRPP
Pace Project No.: 35411284

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP
Pace Project No.: 35411284

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35411284001	**M-P9-NE-12**	EPA 3050	470184	EPA 6010	470321
35411284002	**M-P9-NE-25E-12**	EPA 3050	470184	EPA 6010	470321
35411284003	**M-P9-NE-25W-12**	EPA 3050	470184	EPA 6010	470321
35411284004	**M-P9-NE-25N-12**	EPA 3050	470184	EPA 6010	470321
35411284005	**M-P9-NE-25S-12**	EPA 3050	470184	EPA 6010	470321
35411284001	**M-P9-NE-12**	ASTM D2974-87	469965		
35411284002	**M-P9-NE-25E-12**	ASTM D2974-87	469965		
35411284003	**M-P9-NE-25W-12**	ASTM D2974-87	469965		
35411284004	**M-P9-NE-25N-12**	ASTM D2974-87	469965		
35411284005	**M-P9-NE-25S-12**	ASTM D2974-87	469965		

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WO# : 35411284

35411284

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Reque

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fiel

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	APTIM-Environmental & Infrastructure, Inc-Jackson	Report To:	Greg Dever	Attention:	
Address:	1228 Winter Garden Vineland Rd	Copy To:		Company Name:	
Winter Garden, FL 34787				Address:	
Email:	greg.dever@aptim.com	Purchase Order #:		Pace Quote:	
Phone:	(407)466-6895 Fax:	Project Name:	JEA SJRPP	Pace Project Manager:	todd.rea@pacelabs.com,
Requested Due Date:	RUSH DUE 8/20	Project #:	631229337	Pace Profile #:	10649-3

Regulatory Agency
State / Location
FL

ITEM #	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 START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Requested Analysis Filtered (Y/N): Y/N	Analyses Test: ~~Metals (6010/7471)~~ As ONLY	PAHs (8270SIM)	TRPH (FL-PRO)	Residual Chlorine (Y/N)
1	m-P9-NE-12	SL	G				1420		1	✓									✓			
2	m-P9-NE-25E-12	SL	G				1425		1	✓									✓			
3	m-P9-NE-25W-12	SL	G				1430		1	✓									✓			
4	m-P9-NE-25N-12	SL	G				1435		1	✓									✓			
5	m-P9-NE-25S-12	SL	G				1440		1	✓									✓			
6																						
7																						
8																						
9																						
10																						
11																						
12																						

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
~~*RCRA-8~~ (As, ~~Ba, Cd, Cr, Pb, Hg, Se, Ag) plus B, Mo, Ni, V~~ As		8/15/18	1730	JONES/PACE	8/15/18	1730				
RUSH TURN	JONES/PACE	8/15/18	17:30	FIX COURIER	8/15/18	17:30				
Results to	FIX COURIER			NKM/Pace	8/16/18	0015	4.2	Y	N	Y
greg.dever@aptim.com										

SAMPLER NAME AND SIGNATURE				
PRINT Name of SAMPLER:	Roger Grenville			
SIGNATURE of SAMPLER:		DATE Signed:	8/15/18	

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

WO#: 35411284

Project #
Project Manager: PM: TSR
Client: CLIENT: SHAJAX

Due Date: 08/20/18

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

Thermometer Used: T-338 Date: 8/16/18 Time: 0015 Initials:

State of Origin: ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	4.2 **(Visual)**	0 **(Correction Factor)**	4.2 **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ 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 ☐ Dry ☐ 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	☑ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☑ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☑ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☑ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☑ Yes ☐ No ☐ N/A	Due 8/20
Sufficient Volume	☑ Yes ☐ No ☐ N/A	
Correct Containers Used	☑ Yes ☐ No ☐ N/A	
Containers Intact	☑ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑ Yes ☑ No ☐ N/A	No Sample Date + Time
All containers needing acid/base preservation have been checked.	☐ Yes ☐ No ☑ N/A	Preservation Information: Preservative:_____ Lot #/Trace #:_____ Date:_____ Time:_____ Initials:_____
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐ Yes ☐ No ☑ N/A	
Headspace in VOA Vials? (>6mm):	☐ Yes ☐ No ☑ N/A	
Trip Blank Present:	☐ Yes ☐ No ☑ N/A	

Client Notification/ Resolution:
Person Contacted:_____ Date/Time:_____

Comments/ Resolution (use back for additional comments): Sampled 8/15

Project Manager Review:_____ Date:_____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

June 18, 2020

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP
Pace Project No.: 35556567

Dear Mr. Dever:

Enclosed are the analytical results for sample(s) received by the laboratory on June 16, 2020. 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 Analytical Services - Ormond Beach

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Mr. Charles Bursich, APTIM-Environmental & Infrastructure, Inc.
Mr. Shane Yenchi, APTIM-Environmental & Infrastructure, Inc.

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Ormond Beach, FL 32174
(386)672-5668

CERTIFICATIONS

Project: JEA SJRPP
Pace Project No.: 35556567

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
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
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
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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Ormond Beach, FL 32174
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SAMPLE SUMMARY

Project: JEA SJRPP
Pace Project No.: 35556567

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35556567001	**PB North SB 0-1**	Solid	06/15/20 10:30	06/16/20 00:00
35556567002	**PB South SB 0-1**	Solid	06/15/20 10:45	06/16/20 00:00

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP
Pace Project No.: 35556567

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35556567001	**PB North SB 0-1**	EPA 6010	CS2	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	JEA	1	PASI-O
35556567002	**PB South SB 0-1**	EPA 6010	CS2	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	JEA	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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Ormond Beach, FL 32174
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SUMMARY OF DETECTION

Project: JEA SJRPP
Pace Project No.: 35556567

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35556567001	**PB North SB 0-1**					
EPA 6010	Barium	3.3	mg/kg	0.59	06/18/20 01:50	
EPA 6010	Boron	6.2	mg/kg	2.9	06/18/20 01:50	
EPA 6010	Chromium	2.0	mg/kg	0.29	06/18/20 01:50	
EPA 6010	Lead	2.3	mg/kg	0.59	06/18/20 01:50	
EPA 6010	Nickel	0.72	mg/kg	0.29	06/18/20 01:50	
EPA 6010	Vanadium	1.9	mg/kg	0.59	06/18/20 01:50	
ASTM D2974-87	Percent Moisture	13.9	%	0.10	06/16/20 14:28	
35556567002	**PB South SB 0-1**					
EPA 6010	Barium	4.7	mg/kg	0.61	06/18/20 01:54	
EPA 6010	Boron	10.5	mg/kg	3.0	06/18/20 01:54	
EPA 6010	Chromium	3.0	mg/kg	0.30	06/18/20 01:54	
EPA 6010	Lead	2.5	mg/kg	0.61	06/18/20 01:54	
EPA 6010	Nickel	0.64	mg/kg	0.30	06/18/20 01:54	
EPA 6010	Vanadium	2.1	mg/kg	0.61	06/18/20 01:54	
EPA 7471	Mercury	0.0091 I	mg/kg	0.011	06/18/20 10:38	
ASTM D2974-87	Percent Moisture	15.2	%	0.10	06/16/20 14:29	

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35556567

Sample: PB North SB 0-1 **Lab ID: 35556567001** Collected: 06/15/20 10:30 Received: 06/16/20 00:00 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	**0.29 U**	mg/kg	0.59	0.29	1	06/17/20 03:02	06/18/20 01:50	7440-38-2	
Barium	**3.3**	mg/kg	0.59	0.29	1	06/17/20 03:02	06/18/20 01:50	7440-39-3	
Boron	**6.2**	mg/kg	2.9	1.5	1	06/17/20 03:02	06/18/20 01:50	7440-42-8	
Cadmium	**0.029 U**	mg/kg	0.059	0.029	1	06/17/20 03:02	06/18/20 01:50	7440-43-9	
Chromium	**2.0**	mg/kg	0.29	0.15	1	06/17/20 03:02	06/18/20 01:50	7440-47-3	
Lead	**2.3**	mg/kg	0.59	0.29	1	06/17/20 03:02	06/18/20 01:50	7439-92-1	
Molybdenum	**0.29 U**	mg/kg	0.59	0.29	1	06/17/20 03:02	06/18/20 01:50	7439-98-7	
Nickel	**0.72**	mg/kg	0.29	0.15	1	06/17/20 03:02	06/18/20 01:50	7440-02-0	
Selenium	**0.44 U**	mg/kg	0.88	0.44	1	06/17/20 03:02	06/18/20 01:50	7782-49-2	
Silver	**0.15 U**	mg/kg	0.29	0.15	1	06/17/20 03:02	06/18/20 01:50	7440-22-4	
Vanadium	**1.9**	mg/kg	0.59	0.29	1	06/17/20 03:02	06/18/20 01:50	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.0054 U**	mg/kg	0.011	0.0054	1	06/17/20 13:34	06/18/20 10:35	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**13.9**	%	0.10	0.10	1		06/16/20 14:28		

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35556567

Sample: PB South SB 0-1 **Lab ID: 35556567002** Collected: 06/15/20 10:45 Received: 06/16/20 00:00 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	**0.30 U**	mg/kg	0.61	0.30	1	06/17/20 03:02	06/18/20 01:54	7440-38-2	
Barium	**4.7**	mg/kg	0.61	0.30	1	06/17/20 03:02	06/18/20 01:54	7440-39-3	
Boron	**10.5**	mg/kg	3.0	1.5	1	06/17/20 03:02	06/18/20 01:54	7440-42-8	
Cadmium	**0.030 U**	mg/kg	0.061	0.030	1	06/17/20 03:02	06/18/20 01:54	7440-43-9	
Chromium	**3.0**	mg/kg	0.30	0.15	1	06/17/20 03:02	06/18/20 01:54	7440-47-3	
Lead	**2.5**	mg/kg	0.61	0.30	1	06/17/20 03:02	06/18/20 01:54	7439-92-1	
Molybdenum	**0.30 U**	mg/kg	0.61	0.30	1	06/17/20 03:02	06/18/20 01:54	7439-98-7	
Nickel	**0.64**	mg/kg	0.30	0.15	1	06/17/20 03:02	06/18/20 01:54	7440-02-0	
Selenium	**0.46 U**	mg/kg	0.91	0.46	1	06/17/20 03:02	06/18/20 01:54	7782-49-2	
Silver	**0.15 U**	mg/kg	0.30	0.15	1	06/17/20 03:02	06/18/20 01:54	7440-22-4	
Vanadium	**2.1**	mg/kg	0.61	0.30	1	06/17/20 03:02	06/18/20 01:54	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.0091 I**	mg/kg	0.011	0.0057	1	06/17/20 13:34	06/18/20 10:38	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**15.2**	%	0.10	0.10	1		06/16/20 14:29		

REPORT OF LABORATORY ANALYSIS

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(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35556567

QC Batch: 641702
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35556567001, 35556567002

METHOD BLANK: 3489416 Matrix: Solid
Associated Lab Samples: 35556567001, 35556567002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0044 U	0.0088	0.0044	06/18/20 10:15	

LABORATORY CONTROL SAMPLE: 3489417

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.09	0.084	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3489418 3489419

Parameter	Units	35556229014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.0068 I	0.1	0.11	0.11	0.10	95	91	80-120	2	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35556567

QC Batch: 641512
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET Solid
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35556567001, 35556567002

METHOD BLANK: 3488606 Matrix: Solid
Associated Lab Samples: 35556567001, 35556567002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.30 U	0.60	0.30	06/18/20 00:25	
Barium	mg/kg	0.30 U	0.60	0.30	06/18/20 00:25	
Boron	mg/kg	1.5 U	3.0	1.5	06/18/20 00:25	
Cadmium	mg/kg	0.030 U	0.060	0.030	06/18/20 00:25	
Chromium	mg/kg	0.15 U	0.30	0.15	06/18/20 00:25	
Lead	mg/kg	0.30 U	0.60	0.30	06/18/20 00:25	
Molybdenum	mg/kg	0.30 U	0.60	0.30	06/18/20 00:25	
Nickel	mg/kg	0.15 U	0.30	0.15	06/18/20 00:25	
Selenium	mg/kg	0.45 U	0.90	0.45	06/18/20 00:25	
Silver	mg/kg	0.15 U	0.30	0.15	06/18/20 00:25	
Vanadium	mg/kg	0.30 U	0.60	0.30	06/18/20 00:25	

LABORATORY CONTROL SAMPLE: 3488607

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	15.2	14.3	94	80-120	
Barium	mg/kg	15.2	15.6	102	80-120	
Boron	mg/kg	76.2	70.9	93	80-120	
Cadmium	mg/kg	1.5	1.5	98	80-120	
Chromium	mg/kg	15.2	15.5	102	80-120	
Lead	mg/kg	15.2	15.2	100	80-120	
Molybdenum	mg/kg	15.2	15.6	103	80-120	
Nickel	mg/kg	15.2	15.2	100	80-120	
Selenium	mg/kg	15.2	13.7	90	80-120	
Silver	mg/kg	1.5	1.5	96	80-120	
Vanadium	mg/kg	15.2	15.4	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3488608 3488609

Parameter	Units	35556164003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	1.9	13.3	13.3	14.2	14.6	93	96	75-125	3	20	
Barium	mg/kg	0.32 I	13.3	13.3	14.0	13.7	103	101	75-125	2	20	
Boron	mg/kg	1.3 U	66.5	66.4	60.1	59.2	90	89	75-125	1	20	
Cadmium	mg/kg	0.026 U	1.4	1.4	1.3	1.3	97	96	75-125	1	20	
Chromium	mg/kg	0.14 I	13.3	13.3	13.5	13.2	101	99	75-125	2	20	
Lead	mg/kg	0.32 I	13.3	13.3	13.4	13.2	98	97	75-125	2	20	

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

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35556567

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3488608 3488609

Parameter	Units	35556164003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum	mg/kg	0.26 U	13.3	13.3	13.3	13.2	100	99	75-125	1	20	
Nickel	mg/kg	0.13 U	13.3	13.3	13.2	13.0	99	98	75-125	2	20	
Selenium	mg/kg	0.39 U	13.3	13.3	11.8	11.6	88	87	75-125	2	20	
Silver	mg/kg	0.13 U	1.4	1.4	1.3	1.2	95	94	75-125	2	20	
Vanadium	mg/kg	0.26 U	13.3	13.3	13.4	13.1	100	98	75-125	2	20	

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

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35556567

QC Batch: 641391
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35556567001, 35556567002

SAMPLE DUPLICATE: 3487609

Parameter	Units	35555733001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	62.4	63.7	2	10	

SAMPLE DUPLICATE: 3487610

Parameter	Units	35555952003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.3	15.2	6	10	

SAMPLE DUPLICATE: 3487611

Parameter	Units	35556476001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	0.10 U	0.10 U		10	

SAMPLE DUPLICATE: 3487612

Parameter	Units	35556476010 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	0.30	0.25	18	10	J(D6)

SAMPLE DUPLICATE: 3487613

Parameter	Units	35556476019 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	0.10 U	0.27		10	

SAMPLE DUPLICATE: 3487614

Parameter	Units	35556517001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	2.7	2.9	6	10	

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QUALIFIERS

Project: JEA SJRPP
Pace Project No.: 35556567

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP
Pace Project No.: 35556567

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35556567001	**PB North SB 0-1**	EPA 3050	641512	EPA 6010	641528
35556567002	**PB South SB 0-1**	EPA 3050	641512	EPA 6010	641528
35556567001	**PB North SB 0-1**	EPA 7471	641702	EPA 7471	641733
35556567002	**PB South SB 0-1**	EPA 7471	641702	EPA 7471	641733
35556567001	**PB North SB 0-1**	ASTM D2974-87	641391		
35556567002	**PB South SB 0-1**	ASTM D2974-87	641391		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 35556567

35556567

Pace Workorder Number or

B USE ONLY

Company: APTIM Environmental & Infrastructure, Inc.	Billing Information: P-Card
Address: 1228 Winter Garden Vineland Rd. Winter Garden, FL 34787	
Report To: Greg Dever	Email To: greg.dever@aptim.com
Copy To: shane Yenchi shane.yenchi@aptim.com	Site Collection Info/Address: Coal Yadr Ditch
Customer Project Name/Number: JEA SJRPP	State: FL / County/City: JAX / Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET
Phone: 407-466-6895 Email: greg.dever@aptim.com	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Roger Grenville	Purchase Order # : / Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature): Ron Grenville	Turnaround Date Required: / Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [X] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [X] No / Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns
PB North SB 0-1	Soil	GRAB	6/15/20	1030				1
PB South SB 0-1	Soil	GRAB	6/15/20	1045				1

Container Preservative Type **										Lab Project Manager:
	U		U		U		U		U	

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses									Lab Profile/Line:
	RCRA 8 Metals (6010 / 7471)		Boron (6010)		Molybdenum (6010)		Nickel (6010)	Vanadium (6010)	
	✓		✓		✓		✓	✓	
	✓		✓		✓		✓	✓	

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

12230 - 1

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: __oC
Cooler 1 Therm Corr. Factor: __oC
Cooler 1 Corrected Temp: ____oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
APTim	6-15-20 16:40	Pace	6/16/20 1640
		SMK/PACE	6-16-20 0000

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

WO#: 35556567

PM: TSR **Due Date: 06/23/20**

CLIENT: SHAJAX

Project #

Project Manager:

Client:

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

Thermometer Used: T353 Date: 6/16/20 Time: 0009 Initials: TMA

State of Origin: ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	2.9 **(Visual)**	0.0 **(Correction Factor)**	2.9 **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	**(Visual)**	**(Correction Factor)**	**(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	**(Visual)**	**(Correction Factor)**	**(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	**(Visual)**	**(Correction Factor)**	**(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	**(Visual)**	**(Correction Factor)**	**(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	**(Visual)**	**(Correction Factor)**	**(Actual)**	☐ 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 Dry 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	☒Yes ☐ No ☐N/A	
Chain of Custody Filled Out	☒Yes ☐ No ☐N/A	
Relinquished Signature & Sampler Name COC	☒Yes ☐ No ☐N/A	
Samples Arrived within Hold Time	☒Yes ☐ No ☐N/A	
Rush TAT requested on COC	☒Yes ☐ No ☐N/A	3 DAY
Sufficient Volume	☒Yes ☐ No ☐N/A	
Correct Containers Used	☒Yes ☐ No ☐N/A	
Containers Intact	☒Yes ☐ No ☐N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☒Yes ☐ No ☐N/A	
All containers needing acid/base preservation have been checked.	☐Yes ☐ No ☒N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐Yes ☐ No ☒N/A	Preservative: Lot #/Trace #: Date: Time: Initials:
Headspace in VOA Vials? (>6mm):	☐Yes ☐ No ☒N/A	
Trip Blank Present:	☐Yes ☐ No ☒N/A	

Client Notification/ Resolution:
Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

March 31, 2020

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP
Pace Project No.: 35540143

Dear Mr. Dever:

Enclosed are the analytical results for sample(s) received by the laboratory on March 27, 2020. 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 Analytical Services - Ormond Beach

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Mr. Charles Bursich, APTIM-Environmental & Infrastructure, Inc.
Mr. Shane Yenchi, APTIM-Environmental & Infrastructure, Inc.

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CERTIFICATIONS

Project: JEA SJRPP
Pace Project No.: 35540143

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
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
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
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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Ormond Beach, FL 32174
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SAMPLE SUMMARY

Project: JEA SJRPP
Pace Project No.: 35540143

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35540143001	**EQ WEST NE SB 0-1**	Solid	03/27/20 09:40	03/27/20 16:10
35540143002	**EQ WEST SE SB 0-1**	Solid	03/27/20 09:30	03/27/20 16:10
35540143003	**EQ WEST NW SB 0-1**	Solid	03/27/20 09:50	03/27/20 16:10
35540143004	**EQ WEST SW SB 0-1**	Solid	03/27/20 10:00	03/27/20 16:10

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP
Pace Project No.: 35540143

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35540143001	**EQ WEST NE SB 0-1**	EPA 6010	ATC	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
35540143002	**EQ WEST SE SB 0-1**	EPA 6010	ATC	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
35540143003	**EQ WEST NW SB 0-1**	EPA 6010	ATC	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	RAK	1	PASI-O
35540143004	**EQ WEST SW SB 0-1**	EPA 6010	ATC	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	RAK	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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SUMMARY OF DETECTION

Project: JEA SJRPP
Pace Project No.: 35540143

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35540143001	**EQ WEST NE SB 0-1**					
EPA 6010	Barium	4.7	mg/kg	0.66	03/30/20 14:29	
EPA 6010	Boron	9.7	mg/kg	3.3	03/30/20 14:29	
EPA 6010	Chromium	3.0	mg/kg	0.33	03/30/20 14:29	
EPA 6010	Lead	2.9	mg/kg	0.66	03/30/20 14:29	
EPA 6010	Nickel	0.71	mg/kg	0.33	03/30/20 14:29	
EPA 6010	Vanadium	2.2	mg/kg	0.66	03/30/20 14:29	
EPA 7471	Mercury	0.018	mg/kg	0.012	03/30/20 13:06	
ASTM D2974-87	Percent Moisture	17.5	%	0.10	03/28/20 11:32	
35540143002	**EQ WEST SE SB 0-1**					
EPA 6010	Barium	1.6	mg/kg	0.58	03/30/20 14:32	
EPA 6010	Boron	5.8	mg/kg	2.9	03/30/20 14:32	
EPA 6010	Chromium	0.70	mg/kg	0.29	03/30/20 14:32	
EPA 6010	Lead	1.3	mg/kg	0.58	03/30/20 14:32	
EPA 6010	Molybdenum	0.53 I	mg/kg	0.58	03/30/20 14:32	
EPA 6010	Vanadium	0.49 I	mg/kg	0.58	03/30/20 14:32	
EPA 7471	Mercury	0.0099 I	mg/kg	0.012	03/30/20 13:09	
ASTM D2974-87	Percent Moisture	14.7	%	0.10	03/28/20 11:33	
35540143003	**EQ WEST NW SB 0-1**					
EPA 6010	Arsenic	0.79	mg/kg	0.64	03/30/20 14:35	
EPA 6010	Barium	5.9	mg/kg	0.64	03/30/20 14:35	
EPA 6010	Boron	7.4	mg/kg	3.2	03/30/20 14:35	
EPA 6010	Chromium	2.3	mg/kg	0.32	03/30/20 14:35	
EPA 6010	Lead	2.6	mg/kg	0.64	03/30/20 14:35	
EPA 6010	Molybdenum	3.3	mg/kg	0.64	03/30/20 14:35	
EPA 6010	Nickel	1.0	mg/kg	0.32	03/30/20 14:35	
EPA 6010	Selenium	0.76 I	mg/kg	0.96	03/30/20 14:35	
EPA 6010	Vanadium	2.3	mg/kg	0.64	03/30/20 14:35	
EPA 7471	Mercury	0.018	mg/kg	0.011	03/30/20 13:11	
ASTM D2974-87	Percent Moisture	16.0	%	0.10	03/28/20 11:33	
35540143004	**EQ WEST SW SB 0-1**					
EPA 6010	Barium	5.3	mg/kg	0.66	03/30/20 14:38	
EPA 6010	Boron	4.2	mg/kg	3.3	03/30/20 14:38	
EPA 6010	Chromium	2.2	mg/kg	0.33	03/30/20 14:38	
EPA 6010	Lead	1.9	mg/kg	0.66	03/30/20 14:38	
EPA 6010	Nickel	0.75	mg/kg	0.33	03/30/20 14:38	
EPA 6010	Vanadium	2.1	mg/kg	0.66	03/30/20 14:38	
EPA 7471	Mercury	0.0072 I	mg/kg	0.011	03/30/20 13:13	
ASTM D2974-87	Percent Moisture	13.7	%	0.10	03/28/20 11:33	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35540143

Sample: EQ WEST NE SB 0-1 **Lab ID: 35540143001** Collected: 03/27/20 09:40 Received: 03/27/20 16:10 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	**0.33 U**	mg/kg	0.66	0.33	1	03/29/20 14:29	03/30/20 14:29	7440-38-2	
Barium	**4.7**	mg/kg	0.66	0.33	1	03/29/20 14:29	03/30/20 14:29	7440-39-3	
Boron	**9.7**	mg/kg	3.3	1.7	1	03/29/20 14:29	03/30/20 14:29	7440-42-8	
Cadmium	**0.033 U**	mg/kg	0.066	0.033	1	03/29/20 14:29	03/30/20 14:29	7440-43-9	
Chromium	**3.0**	mg/kg	0.33	0.17	1	03/29/20 14:29	03/30/20 14:29	7440-47-3	
Lead	**2.9**	mg/kg	0.66	0.33	1	03/29/20 14:29	03/30/20 14:29	7439-92-1	
Molybdenum	**0.33 U**	mg/kg	0.66	0.33	1	03/29/20 14:29	03/30/20 14:29	7439-98-7	
Nickel	**0.71**	mg/kg	0.33	0.17	1	03/29/20 14:29	03/30/20 14:29	7440-02-0	
Selenium	**0.50 U**	mg/kg	1.0	0.50	1	03/29/20 14:29	03/30/20 14:29	7782-49-2	
Silver	**0.17 U**	mg/kg	0.33	0.17	1	03/29/20 14:29	03/30/20 14:29	7440-22-4	
Vanadium	**2.2**	mg/kg	0.66	0.33	1	03/29/20 14:29	03/30/20 14:29	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.018**	mg/kg	0.012	0.0059	1	03/30/20 09:25	03/30/20 13:06	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**17.5**	%	0.10	0.10	1		03/28/20 11:32		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35540143

Sample: EQ WEST SE SB 0-1 **Lab ID: 35540143002** Collected: 03/27/20 09:30 Received: 03/27/20 16:10 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	**0.29 U**	mg/kg	0.58	0.29	1	03/29/20 14:29	03/30/20 14:32	7440-38-2	
Barium	**1.6**	mg/kg	0.58	0.29	1	03/29/20 14:29	03/30/20 14:32	7440-39-3	
Boron	**5.8**	mg/kg	2.9	1.5	1	03/29/20 14:29	03/30/20 14:32	7440-42-8	
Cadmium	**0.029 U**	mg/kg	0.058	0.029	1	03/29/20 14:29	03/30/20 14:32	7440-43-9	
Chromium	**0.70**	mg/kg	0.29	0.15	1	03/29/20 14:29	03/30/20 14:32	7440-47-3	
Lead	**1.3**	mg/kg	0.58	0.29	1	03/29/20 14:29	03/30/20 14:32	7439-92-1	
Molybdenum	**0.53 I**	mg/kg	0.58	0.29	1	03/29/20 14:29	03/30/20 14:32	7439-98-7	
Nickel	**0.15 U**	mg/kg	0.29	0.15	1	03/29/20 14:29	03/30/20 14:32	7440-02-0	
Selenium	**0.44 U**	mg/kg	0.87	0.44	1	03/29/20 14:29	03/30/20 14:32	7782-49-2	
Silver	**0.15 U**	mg/kg	0.29	0.15	1	03/29/20 14:29	03/30/20 14:32	7440-22-4	
Vanadium	**0.49 I**	mg/kg	0.58	0.29	1	03/29/20 14:29	03/30/20 14:32	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.0099 I**	mg/kg	0.012	0.0058	1	03/30/20 09:25	03/30/20 13:09	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**14.7**	%	0.10	0.10	1		03/28/20 11:33		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35540143

Sample: EQ WEST NW SB 0-1 **Lab ID: 35540143003** Collected: 03/27/20 09:50 Received: 03/27/20 16:10 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	**0.79**	mg/kg	0.64	0.32	1	03/29/20 14:29	03/30/20 14:35	7440-38-2	
Barium	**5.9**	mg/kg	0.64	0.32	1	03/29/20 14:29	03/30/20 14:35	7440-39-3	
Boron	**7.4**	mg/kg	3.2	1.6	1	03/29/20 14:29	03/30/20 14:35	7440-42-8	
Cadmium	**0.032 U**	mg/kg	0.064	0.032	1	03/29/20 14:29	03/30/20 14:35	7440-43-9	
Chromium	**2.3**	mg/kg	0.32	0.16	1	03/29/20 14:29	03/30/20 14:35	7440-47-3	
Lead	**2.6**	mg/kg	0.64	0.32	1	03/29/20 14:29	03/30/20 14:35	7439-92-1	
Molybdenum	**3.3**	mg/kg	0.64	0.32	1	03/29/20 14:29	03/30/20 14:35	7439-98-7	
Nickel	**1.0**	mg/kg	0.32	0.16	1	03/29/20 14:29	03/30/20 14:35	7440-02-0	
Selenium	**0.76 I**	mg/kg	0.96	0.48	1	03/29/20 14:29	03/30/20 14:35	7782-49-2	
Silver	**0.16 U**	mg/kg	0.32	0.16	1	03/29/20 14:29	03/30/20 14:35	7440-22-4	
Vanadium	**2.3**	mg/kg	0.64	0.32	1	03/29/20 14:29	03/30/20 14:35	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.018**	mg/kg	0.011	0.0056	1	03/30/20 09:25	03/30/20 13:11	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**16.0**	%	0.10	0.10	1		03/28/20 11:33		

REPORT OF LABORATORY ANALYSIS

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(386)672-5668

ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35540143

Sample: EQ WEST SW SB 0-1 **Lab ID: 35540143004** Collected: 03/27/20 10:00 Received: 03/27/20 16:10 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	**0.33 U**	mg/kg	0.66	0.33	1	03/29/20 14:29	03/30/20 14:38	7440-38-2	
Barium	**5.3**	mg/kg	0.66	0.33	1	03/29/20 14:29	03/30/20 14:38	7440-39-3	
Boron	**4.2**	mg/kg	3.3	1.6	1	03/29/20 14:29	03/30/20 14:38	7440-42-8	
Cadmium	**0.033 U**	mg/kg	0.066	0.033	1	03/29/20 14:29	03/30/20 14:38	7440-43-9	
Chromium	**2.2**	mg/kg	0.33	0.16	1	03/29/20 14:29	03/30/20 14:38	7440-47-3	
Lead	**1.9**	mg/kg	0.66	0.33	1	03/29/20 14:29	03/30/20 14:38	7439-92-1	
Molybdenum	**0.33 U**	mg/kg	0.66	0.33	1	03/29/20 14:29	03/30/20 14:38	7439-98-7	
Nickel	**0.75**	mg/kg	0.33	0.16	1	03/29/20 14:29	03/30/20 14:38	7440-02-0	
Selenium	**0.49 U**	mg/kg	0.99	0.49	1	03/29/20 14:29	03/30/20 14:38	7782-49-2	
Silver	**0.16 U**	mg/kg	0.33	0.16	1	03/29/20 14:29	03/30/20 14:38	7440-22-4	
Vanadium	**2.1**	mg/kg	0.66	0.33	1	03/29/20 14:29	03/30/20 14:38	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.0072 I**	mg/kg	0.011	0.0056	1	03/30/20 09:25	03/30/20 13:13	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**13.7**	%	0.10	0.10	1		03/28/20 11:33		

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35540143

QC Batch: 621734
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35540143001, 35540143002, 35540143003, 35540143004

METHOD BLANK: 3378710 Matrix: Solid
Associated Lab Samples: 35540143001, 35540143002, 35540143003, 35540143004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0049 U	0.0099	0.0049	03/30/20 12:21	

LABORATORY CONTROL SAMPLE: 3378711

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.099	0.081	82	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3378712 3378713

Parameter	Units	35539839001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.0049 U	0.095	0.096	0.092	0.095	95	96	80-120	2	20	

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

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35540143

QC Batch: 621659
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET Solid
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35540143001, 35540143002, 35540143003, 35540143004

METHOD BLANK: 3378483 Matrix: Solid
Associated Lab Samples: 35540143001, 35540143002, 35540143003, 35540143004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.31 U	0.62	0.31	03/30/20 13:08	
Barium	mg/kg	0.31 U	0.62	0.31	03/30/20 13:08	
Boron	mg/kg	1.5 U	3.1	1.5	03/30/20 13:08	
Cadmium	mg/kg	0.031 U	0.062	0.031	03/30/20 13:08	
Chromium	mg/kg	0.15 U	0.31	0.15	03/30/20 13:08	
Lead	mg/kg	0.31 U	0.62	0.31	03/30/20 13:08	
Molybdenum	mg/kg	0.31 U	0.62	0.31	03/30/20 13:08	
Nickel	mg/kg	0.15 U	0.31	0.15	03/30/20 13:08	
Selenium	mg/kg	0.46 U	0.92	0.46	03/30/20 13:08	
Silver	mg/kg	0.15 U	0.31	0.15	03/30/20 13:08	
Vanadium	mg/kg	0.31 U	0.62	0.31	03/30/20 13:08	

LABORATORY CONTROL SAMPLE: 3378484

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	15.4	14.3	93	80-120	
Barium	mg/kg	15.4	15.4	100	80-120	
Boron	mg/kg	77	71.4	93	80-120	
Cadmium	mg/kg	1.5	1.5	99	80-120	
Chromium	mg/kg	15.4	15.7	102	80-120	
Lead	mg/kg	15.4	15.4	100	80-120	
Molybdenum	mg/kg	15.4	15.3	99	80-120	
Nickel	mg/kg	15.4	15.6	102	80-120	
Selenium	mg/kg	15.4	13.7	89	80-120	
Silver	mg/kg	1.5	1.4	94	80-120	
Vanadium	mg/kg	15.4	15.4	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3378485 3378486

Parameter	Units	35538730002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	0.26 I	12.5	13.2	12.0	12.3	93	91	75-125	2	20	
Barium	mg/kg	1.5	12.5	13.2	14.5	15.1	104	103	75-125	4	20	
Boron	mg/kg	1.3 U	62.7	66.2	58.7	61.0	93	92	75-125	4	20	
Cadmium	mg/kg	0.025 U	1.3	1.3	1.2	1.3	99	97	75-125	3	20	
Chromium	mg/kg	1.4	12.5	13.2	14.5	14.9	104	102	75-125	3	20	
Lead	mg/kg	0.75	12.5	13.2	13.3	13.8	100	98	75-125	4	20	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35540143

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3378485 3378486

Parameter	Units	35538730002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum	mg/kg	0.25 U	12.5	13.2	12.4	12.9	98	97	75-125	4	20	
Nickel	mg/kg	0.35	12.5	13.2	13.2	13.7	102	101	75-125	4	20	
Selenium	mg/kg	0.38 U	12.5	13.2	11.2	11.8	89	88	75-125	5	20	
Silver	mg/kg	0.13 U	1.3	1.3	1.2	1.2	96	93	75-125	3	20	
Vanadium	mg/kg	1.0	12.5	13.2	14.7	14.3	110	100	75-125	3	20	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35540143

QC Batch: 621557
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35540143001, 35540143002, 35540143003, 35540143004

SAMPLE DUPLICATE: 3378177

Parameter	Units	35540143001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.5	17.3	1	10	

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

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: JEA SJRPP
Pace Project No.: 35540143

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

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.

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP
Pace Project No.: 35540143

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35540143001	**EQ WEST NE SB 0-1**	EPA 3050	621659	EPA 6010	621707
35540143002	**EQ WEST SE SB 0-1**	EPA 3050	621659	EPA 6010	621707
35540143003	**EQ WEST NW SB 0-1**	EPA 3050	621659	EPA 6010	621707
35540143004	**EQ WEST SW SB 0-1**	EPA 3050	621659	EPA 6010	621707
35540143001	**EQ WEST NE SB 0-1**	EPA 7471	621734	EPA 7471	621813
35540143002	**EQ WEST SE SB 0-1**	EPA 7471	621734	EPA 7471	621813
35540143003	**EQ WEST NW SB 0-1**	EPA 7471	621734	EPA 7471	621813
35540143004	**EQ WEST SW SB 0-1**	EPA 7471	621734	EPA 7471	621813
35540143001	**EQ WEST NE SB 0-1**	ASTM D2974-87	621557		
35540143002	**EQ WEST SE SB 0-1**	ASTM D2974-87	621557		
35540143003	**EQ WEST NW SB 0-1**	ASTM D2974-87	621557		
35540143004	**EQ WEST SW SB 0-1**	ASTM D2974-87	621557		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE: WO# : 35540143

35540143

Company: APTIM Environmental & Infrastructure, Inc.	Billing Information: P-Card
Address: 1228 Winter Garden Vineland Rd. Winter Garden, FL 34787	
Report To: Greg Dever	Email To: greg.dever@aptim.com
Copy To: shane Yenchi shane.yenchi@aptim.com	Site Collection Info/Address: West EQ Basin
Customer Project Name/Number: JEA SJRPP	State: FL / County/City: JAX / Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET
Phone: 407-466-6895 Email: greg.dever@aptim.com	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Roger Grenville	Purchase Order # : Quote #: / DW PWS ID #: DW Location Code:
Collected By (signature): Ron Grenville	Turnaround Date Required: / Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: ____ [ ] Hold: ____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [X] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [X] No Analysis: ____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	RCRA 8 Metals (6010 / 7471)	Boron (6010)	Molybdenum (6010)	Nickel (6010)	Vanadium (6010)
EQ West NE SB 0-1	Soil	Grab	3/27/20	0940	N/A	N/A		1	X	X	X	X	X
EQ West SE SB 0-1	Soil	Grab	3/27/20	0930	N/A	N/A		1	X	X	X	X	X
EQ West NW SB 0-1	Soil	Grab	3/27/20	0950	N/A	N/A		1	X	X	X	X	X
EQ West SW SB 0-1	Soil	Grab	3/27/20	1008	N/A	N/A		1	X	X	X	X	X

Container Preservative Type **: U U U U U

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other ____

Lab Project Manager:

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: ____	
Sample pH Acceptable	Y N NA
pH Strips: ____	
Sulfide Present	Y N NA
Lead Acetate Strips: ____	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards: 12230 - 1

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y (N) NA
Therm ID#: T-353
Cooler 1 Temp Upon Receipt: 2.1 oC
Cooler 1 Therm Corr. Factor: +0.4 oC
Cooler 1 Corrected Temp: 2.5 oC
Comments:

Relinquished by/Company: (Signature) APTFN	Date/Time: 1610 3/27/20	Received by/Company: (Signature) PACE	Date/Time: 3/27/20 1610
Relinquished by/Company: (Signature) Pace	Date/Time: 3/27/20 1700	Received by/Company: (Signature) FCX	Date/Time: 3/27/20 1700
Relinquished by/Company: (Signature) FCX	Date/Time:	Received by/Company: (Signature) VMT PACE	Date/Time: 3/28/20 08:5

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y (N) NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project **WO# : 35540143**

Project Manage **PM: TSR** **Due Date: 04/06/20**

Clien **CLIENT: SHAJAX**

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

Thermometer Used: T-305 Date: 3/28/20 Time: 00:06 Initials: TSR

State of Origin: ☐ For WV projects, all containers verified to <6 °C

Cooler #1 Temp.°C	2.4 (Visual)	+.1 (Correction Factor)	2.5 (Actual)	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ 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 Dry 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	☑ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☑ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☑ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☑ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	JMT ☐ Yes ☑ No ☐ N/A	3 Day
Sufficient Volume	☑ Yes ☐ No ☐ N/A	
Correct Containers Used	☑ Yes ☐ No ☐ N/A	
Containers Intact	☑ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☐ Yes ☐ No ☑ N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐ Yes ☐ No ☑ N/A	Preservative: Lot #/Trace #: Date: Time: Initials:
Headspace in VOA Vials? (>6mm):	☐ Yes ☐ No ☑ N/A	
Trip Blank Present:	☐ Yes ☐ No ☐ N/A	

Client Notification/ Resolution:
Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

April 07, 2020

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP
Pace Project No.: 35541220

Dear Mr. Dever:

Enclosed are the analytical results for sample(s) received by the laboratory on April 02, 2020. 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 Analytical Services - Ormond Beach

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Ms. Maryann Hooper, APTIM-Environmental & Infrastructure, Inc.
Mr. William Mahler, APTIM-Environmental & Infrastructure, Inc.

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CERTIFICATIONS

Project: JEA SJRPP
Pace Project No.: 35541220

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
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
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
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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Ormond Beach, FL 32174
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SAMPLE SUMMARY

Project: JEA SJRPP
Pace Project No.: 35541220

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35541220001	**EQ East NE SB 0-1**	Solid	04/02/20 09:00	04/02/20 16:10
35541220002	**EQ East SE SB 0-1**	Solid	04/02/20 09:15	04/02/20 16:10
35541220003	**EQ East NW SB 0-1**	Solid	04/02/20 08:45	04/02/20 16:10
35541220004	**EQ East SW SB 0-1**	Solid	04/02/20 08:30	04/02/20 16:10

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP
Pace Project No.: 35541220

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35541220001	**EQ East NE SB 0-1**	EPA 6010	ATC	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	JM2	1	PASI-O
35541220002	**EQ East SE SB 0-1**	EPA 6010	ATC	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	JM2	1	PASI-O
35541220003	**EQ East NW SB 0-1**	EPA 6010	ATC	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	JM2	1	PASI-O
35541220004	**EQ East SW SB 0-1**	EPA 6010	ATC	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	JM2	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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SUMMARY OF DETECTION

Project: JEA SJRPP
Pace Project No.: 35541220

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35541220001	**EQ East NE SB 0-1**					
EPA 6010	Barium	4.9	mg/kg	0.52	04/06/20 21:02	
EPA 6010	Boron	14.7	mg/kg	2.6	04/06/20 21:02	
EPA 6010	Chromium	2.7	mg/kg	0.26	04/06/20 21:02	
EPA 6010	Lead	4.3	mg/kg	0.52	04/06/20 21:02	
EPA 6010	Molybdenum	9.8	mg/kg	0.52	04/06/20 21:02	
EPA 6010	Nickel	0.17	mg/kg	0.26	04/06/20 21:02	I
EPA 6010	Selenium	0.91	mg/kg	0.79	04/06/20 21:02	
EPA 6010	Vanadium	0.93	mg/kg	0.52	04/06/20 21:02	
EPA 7471	Mercury	0.024	mg/kg	0.011	04/07/20 10:29	
ASTM D2974-87	Percent Moisture	12.2	%	0.10	04/04/20 09:44	
35541220002	**EQ East SE SB 0-1**					
EPA 6010	Barium	0.93	mg/kg	0.58	04/06/20 21:05	
EPA 6010	Boron	3.2	mg/kg	2.9	04/06/20 21:05	
EPA 6010	Chromium	0.57	mg/kg	0.29	04/06/20 21:05	
EPA 6010	Lead	0.62	mg/kg	0.58	04/06/20 21:05	
EPA 6010	Molybdenum	1.7	mg/kg	0.58	04/06/20 21:05	
EPA 6010	Nickel	0.17	mg/kg	0.29	04/06/20 21:05	I
EPA 6010	Selenium	0.69	mg/kg	0.87	04/06/20 21:05	I
EPA 6010	Vanadium	0.34	mg/kg	0.58	04/06/20 21:05	I
EPA 7471	Mercury	0.033	mg/kg	0.012	04/07/20 10:36	
ASTM D2974-87	Percent Moisture	16.1	%	0.10	04/04/20 09:44	
35541220003	**EQ East NW SB 0-1**					
EPA 6010	Barium	7.2	mg/kg	0.68	04/06/20 21:09	
EPA 6010	Boron	14.4	mg/kg	3.4	04/06/20 21:09	
EPA 6010	Chromium	3.2	mg/kg	0.34	04/06/20 21:09	
EPA 6010	Lead	2.5	mg/kg	0.68	04/06/20 21:09	
EPA 6010	Molybdenum	0.39	mg/kg	0.68	04/06/20 21:09	I
EPA 6010	Nickel	0.78	mg/kg	0.34	04/06/20 21:09	
EPA 6010	Vanadium	3.6	mg/kg	0.68	04/06/20 21:09	
EPA 7471	Mercury	0.0083	mg/kg	0.011	04/07/20 10:39	I
ASTM D2974-87	Percent Moisture	11.2	%	0.10	04/04/20 09:44	
35541220004	**EQ East SW SB 0-1**					
EPA 6010	Barium	3.1	mg/kg	0.71	04/06/20 21:12	
EPA 6010	Boron	5.6	mg/kg	3.6	04/06/20 21:12	
EPA 6010	Chromium	0.99	mg/kg	0.36	04/06/20 21:12	
EPA 6010	Lead	1.5	mg/kg	0.71	04/06/20 21:12	
EPA 6010	Nickel	0.32	mg/kg	0.36	04/06/20 21:12	I
EPA 6010	Vanadium	1.3	mg/kg	0.71	04/06/20 21:12	
EPA 7471	Mercury	0.0099	mg/kg	0.012	04/07/20 10:41	I
ASTM D2974-87	Percent Moisture	14.6	%	0.10	04/04/20 09:44	

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35541220

Sample: EQ East NE SB 0-1 **Lab ID: 35541220001** Collected: 04/02/20 09:00 Received: 04/02/20 16:10 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	**0.26 U**	mg/kg	0.52	0.26	1	04/05/20 14:19	04/06/20 21:02	7440-38-2	
Barium	**4.9**	mg/kg	0.52	0.26	1	04/05/20 14:19	04/06/20 21:02	7440-39-3	
Boron	**14.7**	mg/kg	2.6	1.3	1	04/05/20 14:19	04/06/20 21:02	7440-42-8	
Cadmium	**0.026 U**	mg/kg	0.052	0.026	1	04/05/20 14:19	04/06/20 21:02	7440-43-9	
Chromium	**2.7**	mg/kg	0.26	0.13	1	04/05/20 14:19	04/06/20 21:02	7440-47-3	
Lead	**4.3**	mg/kg	0.52	0.26	1	04/05/20 14:19	04/06/20 21:02	7439-92-1	
Molybdenum	**9.8**	mg/kg	0.52	0.26	1	04/05/20 14:19	04/06/20 21:02	7439-98-7	
Nickel	**0.17 I**	mg/kg	0.26	0.13	1	04/05/20 14:19	04/06/20 21:02	7440-02-0	
Selenium	**0.91**	mg/kg	0.79	0.39	1	04/05/20 14:19	04/06/20 21:02	7782-49-2	
Silver	**0.13 U**	mg/kg	0.26	0.13	1	04/05/20 14:19	04/06/20 21:02	7440-22-4	
Vanadium	**0.93**	mg/kg	0.52	0.26	1	04/05/20 14:19	04/06/20 21:02	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.024**	mg/kg	0.011	0.0056	1	04/06/20 10:43	04/07/20 10:29	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**12.2**	%	0.10	0.10	1		04/04/20 09:44		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35541220

Sample: EQ East SE SB 0-1 **Lab ID: 35541220002** Collected: 04/02/20 09:15 Received: 04/02/20 16:10 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	**0.29 U**	mg/kg	0.58	0.29	1	04/05/20 14:19	04/06/20 21:05	7440-38-2	
Barium	**0.93**	mg/kg	0.58	0.29	1	04/05/20 14:19	04/06/20 21:05	7440-39-3	
Boron	**3.2**	mg/kg	2.9	1.4	1	04/05/20 14:19	04/06/20 21:05	7440-42-8	
Cadmium	**0.029 U**	mg/kg	0.058	0.029	1	04/05/20 14:19	04/06/20 21:05	7440-43-9	
Chromium	**0.57**	mg/kg	0.29	0.14	1	04/05/20 14:19	04/06/20 21:05	7440-47-3	
Lead	**0.62**	mg/kg	0.58	0.29	1	04/05/20 14:19	04/06/20 21:05	7439-92-1	
Molybdenum	**1.7**	mg/kg	0.58	0.29	1	04/05/20 14:19	04/06/20 21:05	7439-98-7	
Nickel	**0.17 I**	mg/kg	0.29	0.14	1	04/05/20 14:19	04/06/20 21:05	7440-02-0	
Selenium	**0.69 I**	mg/kg	0.87	0.43	1	04/05/20 14:19	04/06/20 21:05	7782-49-2	
Silver	**0.14 U**	mg/kg	0.29	0.14	1	04/05/20 14:19	04/06/20 21:05	7440-22-4	
Vanadium	**0.34 I**	mg/kg	0.58	0.29	1	04/05/20 14:19	04/06/20 21:05	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
	Pace Analytical Services - Ormond Beach								
Mercury	**0.033**	mg/kg	0.012	0.0058	1	04/06/20 10:43	04/07/20 10:36	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
	Pace Analytical Services - Ormond Beach								
Percent Moisture	**16.1**	%	0.10	0.10	1		04/04/20 09:44		

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35541220

Sample: EQ East NW SB 0-1 **Lab ID: 35541220003** Collected: 04/02/20 08:45 Received: 04/02/20 16:10 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	**0.34 U**	mg/kg	0.68	0.34	1	04/05/20 14:19	04/06/20 21:09	7440-38-2	
Barium	**7.2**	mg/kg	0.68	0.34	1	04/05/20 14:19	04/06/20 21:09	7440-39-3	
Boron	**14.4**	mg/kg	3.4	1.7	1	04/05/20 14:19	04/06/20 21:09	7440-42-8	
Cadmium	**0.034 U**	mg/kg	0.068	0.034	1	04/05/20 14:19	04/06/20 21:09	7440-43-9	
Chromium	**3.2**	mg/kg	0.34	0.17	1	04/05/20 14:19	04/06/20 21:09	7440-47-3	
Lead	**2.5**	mg/kg	0.68	0.34	1	04/05/20 14:19	04/06/20 21:09	7439-92-1	
Molybdenum	**0.39 I**	mg/kg	0.68	0.34	1	04/05/20 14:19	04/06/20 21:09	7439-98-7	
Nickel	**0.78**	mg/kg	0.34	0.17	1	04/05/20 14:19	04/06/20 21:09	7440-02-0	
Selenium	**0.51 U**	mg/kg	1.0	0.51	1	04/05/20 14:19	04/06/20 21:09	7782-49-2	
Silver	**0.17 U**	mg/kg	0.34	0.17	1	04/05/20 14:19	04/06/20 21:09	7440-22-4	
Vanadium	**3.6**	mg/kg	0.68	0.34	1	04/05/20 14:19	04/06/20 21:09	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.0083 I**	mg/kg	0.011	0.0056	1	04/06/20 10:43	04/07/20 10:39	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**11.2**	%	0.10	0.10	1		04/04/20 09:44		

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35541220

Sample: EQ East SW SB 0-1 **Lab ID: 35541220004** Collected: 04/02/20 08:30 Received: 04/02/20 16:10 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	**0.36 U**	mg/kg	0.71	0.36	1	04/05/20 14:19	04/06/20 21:12	7440-38-2	
Barium	**3.1**	mg/kg	0.71	0.36	1	04/05/20 14:19	04/06/20 21:12	7440-39-3	
Boron	**5.6**	mg/kg	3.6	1.8	1	04/05/20 14:19	04/06/20 21:12	7440-42-8	
Cadmium	**0.036 U**	mg/kg	0.071	0.036	1	04/05/20 14:19	04/06/20 21:12	7440-43-9	
Chromium	**0.99**	mg/kg	0.36	0.18	1	04/05/20 14:19	04/06/20 21:12	7440-47-3	
Lead	**1.5**	mg/kg	0.71	0.36	1	04/05/20 14:19	04/06/20 21:12	7439-92-1	
Molybdenum	**0.36 U**	mg/kg	0.71	0.36	1	04/05/20 14:19	04/06/20 21:12	7439-98-7	
Nickel	**0.32 I**	mg/kg	0.36	0.18	1	04/05/20 14:19	04/06/20 21:12	7440-02-0	
Selenium	**0.53 U**	mg/kg	1.1	0.53	1	04/05/20 14:19	04/06/20 21:12	7782-49-2	
Silver	**0.18 U**	mg/kg	0.36	0.18	1	04/05/20 14:19	04/06/20 21:12	7440-22-4	
Vanadium	**1.3**	mg/kg	0.71	0.36	1	04/05/20 14:19	04/06/20 21:12	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.0099 I**	mg/kg	0.012	0.0058	1	04/06/20 10:43	04/07/20 10:41	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**14.6**	%	0.10	0.10	1		04/04/20 09:44		

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35541220

QC Batch: 623292 | Analysis Method: EPA 7471
QC Batch Method: EPA 7471 | Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35541220001, 35541220002, 35541220003, 35541220004

METHOD BLANK: 3386755 Matrix: Solid
Associated Lab Samples: 35541220001, 35541220002, 35541220003, 35541220004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0049 U	0.0099	0.0049	04/07/20 10:02	

LABORATORY CONTROL SAMPLE: 3386756

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.099	0.090	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3386757 3386758

Parameter	Units	35541128001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.037 U	0.71	0.74	0.61	0.63	86	86	80-120	4	20	

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

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35541220

QC Batch: 623227
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET Solid
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35541220001, 35541220002, 35541220003, 35541220004

METHOD BLANK: 3386521 Matrix: Solid
Associated Lab Samples: 35541220001, 35541220002, 35541220003, 35541220004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.29 U	0.58	0.29	04/06/20 20:37	
Barium	mg/kg	0.29 U	0.58	0.29	04/06/20 20:37	
Boron	mg/kg	1.5 U	2.9	1.5	04/06/20 20:37	
Cadmium	mg/kg	0.029 U	0.058	0.029	04/06/20 20:37	
Chromium	mg/kg	0.15 U	0.29	0.15	04/06/20 20:37	
Lead	mg/kg	0.29 U	0.58	0.29	04/06/20 20:37	
Molybdenum	mg/kg	0.29 U	0.58	0.29	04/06/20 20:37	
Nickel	mg/kg	0.15 U	0.29	0.15	04/06/20 20:37	
Selenium	mg/kg	0.44 U	0.87	0.44	04/06/20 20:37	
Silver	mg/kg	0.15 U	0.29	0.15	04/06/20 20:37	
Vanadium	mg/kg	0.29 U	0.58	0.29	04/06/20 20:37	

LABORATORY CONTROL SAMPLE: 3386522

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	15.2	14.9	98	80-120	
Barium	mg/kg	15.2	15.7	103	80-120	
Boron	mg/kg	76.2	72.7	95	80-120	
Cadmium	mg/kg	1.5	1.6	106	80-120	
Chromium	mg/kg	15.2	16.3	107	80-120	
Lead	mg/kg	15.2	15.9	104	80-120	
Molybdenum	mg/kg	15.2	15.6	103	80-120	
Nickel	mg/kg	15.2	16.1	106	80-120	
Selenium	mg/kg	15.2	14.0	92	80-120	
Silver	mg/kg	1.5	1.4	93	80-120	
Vanadium	mg/kg	15.2	16.0	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3386523 3386524

Parameter	Units	35541066001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	0.29 U	14	15.7	13.2	15.3	94	97	75-125	15	20	
Barium	mg/kg	1.1	14	15.7	15.9	18.7	106	113	75-125	16	20	
Boron	mg/kg	1.5 U	69.9	78.2	66.4	75.3	95	96	75-125	12	20	
Cadmium	mg/kg	0.029 U	1.4	1.6	1.4	1.6	102	103	75-125	13	20	
Chromium	mg/kg	2.2	14	15.7	17.6	21.5	111	123	75-125	20	20	
Lead	mg/kg	0.74	14	15.7	15.0	17.1	102	104	75-125	13	20	

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

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35541220

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3386523 3386524

Parameter	Units	35541066001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum	mg/kg	0.29 U	14	15.7	14.0	15.7	98	99	75-125	12	20	
Nickel	mg/kg	0.42	14	15.7	15.4	17.8	107	111	75-125	14	20	
Selenium	mg/kg	0.44 U	14	15.7	12.4	14.2	88	89	75-125	13	20	
Silver	mg/kg	0.15 U	1.4	1.6	1.2	1.4	89	90	75-125	13	20	
Vanadium	mg/kg	2.2	14	15.7	17.1	22.8	107	132	75-125	28	20	J(M1), J(R1)

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35541220

QC Batch: 623171
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35541220001, 35541220002, 35541220003, 35541220004

SAMPLE DUPLICATE: 3386236

Parameter	Units	35539548006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	25.6	24.8	3	10	

SAMPLE DUPLICATE: 3386237

Parameter	Units	35541250011 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.8	16.3	3	10	

SAMPLE DUPLICATE: 3386238

Parameter	Units	35541336001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	2.6	2.9	12	10	J(D6)

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QUALIFIERS

Project: JEA SJRPP
Pace Project No.: 35541220

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(R1)	Estimated Value. RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP
Pace Project No.: 35541220

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35541220001	**EQ East NE SB 0-1**	EPA 3050	623227	EPA 6010	623258
35541220002	**EQ East SE SB 0-1**	EPA 3050	623227	EPA 6010	623258
35541220003	**EQ East NW SB 0-1**	EPA 3050	623227	EPA 6010	623258
35541220004	**EQ East SW SB 0-1**	EPA 3050	623227	EPA 6010	623258
35541220001	**EQ East NE SB 0-1**	EPA 7471	623292	EPA 7471	623425
35541220002	**EQ East SE SB 0-1**	EPA 7471	623292	EPA 7471	623425
35541220003	**EQ East NW SB 0-1**	EPA 7471	623292	EPA 7471	623425
35541220004	**EQ East SW SB 0-1**	EPA 7471	623292	EPA 7471	623425
35541220001	**EQ East NE SB 0-1**	ASTM D2974-87	623171		
35541220002	**EQ East SE SB 0-1**	ASTM D2974-87	623171		
35541220003	**EQ East NW SB 0-1**	ASTM D2974-87	623171		
35541220004	**EQ East SW SB 0-1**	ASTM D2974-87	623171		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 35541220

35541220

Company: APTIM Environmental & Infrastructure, Inc.	Billing Information: P-Card
Address: 1228 Winter Garden Vineland Rd. Winter Garden, FL 34787	
Report To: Greg Dever	Email To: greg.dever@aptim.com
Copy To: shane Yenchi shane.yenchi@aptim.com	Site Collection Info/Address: East EQ Basin
Customer Project Name/Number: JEA SJRPP	State: FL / County/City: JAX / Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET
Phone: 407-466-6895 Email: greg.dever@aptim.com	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Roger Grenville	Purchase Order # : P-Card Quote #: / DW PWS ID #: DW Location Code:
Collected By (signature): Roger Grenville	Turnaround Date Required: RUSH / Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [X] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [X] No Analysis: _____

Container Preservative Type **: U | U | U | U | U

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	RCRA 8 Metals (6010 / 7471)	Boron (6010)	Molybdenum (6010)	Nickel (6010)	Vanadium (6010)
EQ East NE SB 0-1	Soil	Grab	4/2/20	9:00	N/A	N/A		1	x	x	x	x	x
EQ East SE SB 0-1	Soil	Grab	4/2/20	9:15	N/A	N/A		1	x	x	x	x	x
EQ East NW SB 0-1	Soil	Grab	4/2/20	8:45	N/A	N/A		1	x	x	x	x	x
EQ East SW SB 0-1	Soil	Grab	4/2/20	8:30	N/A	N/A		1	x	x	x	x	x

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: __oC
Cooler 1 Therm Corr. Factor: __oC
Cooler 1 Corrected Temp: _____oC
Comments:

Relinquished by/Company: (Signature) APTIM	Date/Time: 4/2/20 16:10	Received by/Company: (Signature) PACE	Date/Time: 4/2/20 1610
Relinquished by/Company: (Signature) PACE	Date/Time: 4/2/20 1700	Received by/Company: (Signature) FLX	Date/Time: 4/2/20 1700
Relinquished by/Company: (Signature) FLX	Date/Time:	Received by/Company: (Signature) I. Phu. PACE	Date/Time: 4/2/20 2315

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # WO# : 35541220

Project Manager: PM: TSR **Due Date:** 04/07/20

Client: CLIENT: SHAJAX

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

Thermometer Used: T-353 Date: 4/2/20 Time: 2318 Initials: TRB

State of Origin: _____ ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	2.0 (Visual)	0.1 (Correction Factor)	2.1 (Actual)	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ 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 Dry 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	☑ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☑ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☑ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☑ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☑ Yes ☐ No ☐ N/A	3 Day Rush!!
Sufficient Volume	☑ Yes ☐ No ☐ N/A	
Correct Containers Used	☑ Yes ☐ No ☐ N/A	
Containers Intact	☑ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☐ Yes ☐ No ☑ N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐ Yes ☐ No ☑ N/A	Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
Headspace in VOA Vials? (>6mm):	☐ Yes ☐ No ☑ N/A	
Trip Blank Present:	☐ Yes ☐ No ☑ N/A	

Client Notification/ Resolution:
Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments): _____

Project Manager Review: _____ Date: _____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

May 27, 2020

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP
Pace Project No.: 35551704

Dear Mr. Dever:

Enclosed are the analytical results for sample(s) received by the laboratory on May 21, 2020. 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 Analytical Services - Ormond Beach

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Ms. Maryann Hooper, APTIM-Environmental & Infrastructure, Inc.
Mr. William Mahler, APTIM-Environmental & Infrastructure, Inc.

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
(386)672-5668

CERTIFICATIONS

Project: JEA SJRPP
Pace Project No.: 35551704

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
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
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
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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Ormond Beach, FL 32174
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SAMPLE SUMMARY

Project: JEA SJRPP
Pace Project No.: 35551704

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35551704001	**OW6-North-SB-0-1**	Solid	05/21/20 13:25	05/21/20 16:25
35551704002	**OW6-South-SB-0-1**	Solid	05/21/20 13:40	05/21/20 16:25

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP
Pace Project No.: 35551704

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35551704001	**OW6-North-SB-0-1**	FL-PRO	RJR	3	PASI-O
		EPA 6010	CS2	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		EPA 8270	TWB	21	PASI-O
		ASTM D2974-87	JM2	1	PASI-O
35551704002	**OW6-South-SB-0-1**	FL-PRO	RJR	3	PASI-O
		EPA 6010	CS2	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		EPA 8270	TWB	21	PASI-O
		ASTM D2974-87	JM2	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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SUMMARY OF DETECTION

Project: JEA SJRPP
Pace Project No.: 35551704

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35551704001	**OW6-North-SB-0-1**					
EPA 6010	Barium	3.1	mg/kg	0.56	05/27/20 08:59	
EPA 6010	Chromium	1.7	mg/kg	0.28	05/27/20 08:59	
EPA 6010	Lead	1.8	mg/kg	0.56	05/27/20 08:59	
EPA 6010	Molybdenum	30.4	mg/kg	0.56	05/27/20 08:59	
EPA 6010	Nickel	0.33	mg/kg	0.28	05/27/20 08:59	
EPA 6010	Vanadium	1.3	mg/kg	0.56	05/27/20 08:59	
EPA 7471	Mercury	0.011	mg/kg	0.011	05/26/20 13:52	
ASTM D2974-87	Percent Moisture	12.0	%	0.10	05/27/20 09:10	
35551704002	**OW6-South-SB-0-1**					
EPA 6010	Arsenic	0.52 I	mg/kg	0.62	05/27/20 09:03	
EPA 6010	Barium	3.1	mg/kg	0.62	05/27/20 09:03	
EPA 6010	Boron	2.5 I	mg/kg	3.1	05/27/20 09:03	
EPA 6010	Chromium	1.4	mg/kg	0.31	05/27/20 09:03	
EPA 6010	Lead	3.5	mg/kg	0.62	05/27/20 09:03	
EPA 6010	Molybdenum	34.1	mg/kg	0.62	05/27/20 09:03	
EPA 6010	Nickel	0.76	mg/kg	0.31	05/27/20 09:03	
EPA 6010	Vanadium	3.0	mg/kg	0.62	05/27/20 09:03	
EPA 7471	Mercury	0.0093 I	mg/kg	0.012	05/26/20 13:54	
ASTM D2974-87	Percent Moisture	18.2	%	0.10	05/27/20 09:10	

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35551704

Sample: OW6-North-SB-0-1 **Lab ID: 35551704001** Collected: 05/21/20 13:25 Received: 05/21/20 16:25 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	05/23/20 03:13	05/23/20 18:19		
Surrogates									
o-Terphenyl (S)	94	%	66-136		1	05/23/20 03:13	05/23/20 18:19	84-15-1	
N-Pentatriacontane (S)	88	%	42-159		1	05/23/20 03:13	05/23/20 18:19	630-07-09	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - Ormond Beach								
Arsenic	**0.28 U**	mg/kg	0.56	0.28	1	05/26/20 17:33	05/27/20 08:59	7440-38-2	
Barium	**3.1**	mg/kg	0.56	0.28	1	05/26/20 17:33	05/27/20 08:59	7440-39-3	
Boron	**1.4 U**	mg/kg	2.8	1.4	1	05/26/20 17:33	05/27/20 08:59	7440-42-8	
Cadmium	**0.028 U**	mg/kg	0.056	0.028	1	05/26/20 17:33	05/27/20 08:59	7440-43-9	
Chromium	**1.7**	mg/kg	0.28	0.14	1	05/26/20 17:33	05/27/20 08:59	7440-47-3	
Lead	**1.8**	mg/kg	0.56	0.28	1	05/26/20 17:33	05/27/20 08:59	7439-92-1	
Molybdenum	**30.4**	mg/kg	0.56	0.28	1	05/26/20 17:33	05/27/20 08:59	7439-98-7	
Nickel	**0.33**	mg/kg	0.28	0.14	1	05/26/20 17:33	05/27/20 08:59	7440-02-0	
Selenium	**0.42 U**	mg/kg	0.84	0.42	1	05/26/20 17:33	05/27/20 08:59	7782-49-2	
Silver	**0.14 U**	mg/kg	0.28	0.14	1	05/26/20 17:33	05/27/20 08:59	7440-22-4	
Vanadium	**1.3**	mg/kg	0.56	0.28	1	05/26/20 17:33	05/27/20 08:59	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.011**	mg/kg	0.011	0.0054	1	05/22/20 08:26	05/26/20 13:52	7439-97-6	
8270 MSSV Short List Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.013 U**	mg/kg	0.041	0.013	1	05/23/20 02:32	05/23/20 20:01	83-32-9	
Acenaphthylene	**0.012 U**	mg/kg	0.039	0.012	1	05/23/20 02:32	05/23/20 20:01	208-96-8	
Anthracene	**0.014 U**	mg/kg	0.041	0.014	1	05/23/20 02:32	05/23/20 20:01	120-12-7	
Benzo(a)anthracene	**0.011 U**	mg/kg	0.039	0.011	1	05/23/20 02:32	05/23/20 20:01	56-55-3	
Benzo(a)pyrene	**0.0097 U**	mg/kg	0.039	0.0097	1	05/23/20 02:32	05/23/20 20:01	50-32-8	
Benzo(b)fluoranthene	**0.010 U**	mg/kg	0.039	0.010	1	05/23/20 02:32	05/23/20 20:01	205-99-2	
Benzo(g,h,i)perylene	**0.0098 U**	mg/kg	0.039	0.0098	1	05/23/20 02:32	05/23/20 20:01	191-24-2	
Benzo(k)fluoranthene	**0.010 U**	mg/kg	0.039	0.010	1	05/23/20 02:32	05/23/20 20:01	207-08-9	
Chrysene	**0.012 U**	mg/kg	0.039	0.012	1	05/23/20 02:32	05/23/20 20:01	218-01-9	
Dibenz(a,h)anthracene	**0.0090 U**	mg/kg	0.039	0.0090	1	05/23/20 02:32	05/23/20 20:01	53-70-3	
Fluoranthene	**0.013 U**	mg/kg	0.039	0.013	1	05/23/20 02:32	05/23/20 20:01	206-44-0	
Fluorene	**0.014 U**	mg/kg	0.043	0.014	1	05/23/20 02:32	05/23/20 20:01	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.0089 U**	mg/kg	0.039	0.0089	1	05/23/20 02:32	05/23/20 20:01	193-39-5	
1-Methylnaphthalene	**0.015 U**	mg/kg	0.046	0.015	1	05/23/20 02:32	05/23/20 20:01	90-12-0	
2-Methylnaphthalene	**0.015 U**	mg/kg	0.045	0.015	1	05/23/20 02:32	05/23/20 20:01	91-57-6	
Naphthalene	**0.013 U**	mg/kg	0.040	0.013	1	05/23/20 02:32	05/23/20 20:01	91-20-3	
Phenanthrene	**0.013 U**	mg/kg	0.039	0.013	1	05/23/20 02:32	05/23/20 20:01	85-01-8	
Pyrene	**0.012 U**	mg/kg	0.039	0.012	1	05/23/20 02:32	05/23/20 20:01	129-00-0	

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(386)672-5668

ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35551704

Sample: OW6-North-SB-0-1 **Lab ID: 35551704001** Collected: 05/21/20 13:25 Received: 05/21/20 16:25 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 Short List Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Ormond Beach								
Surrogates									
Nitrobenzene-d5 (S)	62	%	24-98		1	05/23/20 02:32	05/23/20 20:01	4165-60-0	
2-Fluorobiphenyl (S)	63	%	29-101		1	05/23/20 02:32	05/23/20 20:01	321-60-8	
p-Terphenyl-d14 (S)	60	%	29-112		1	05/23/20 02:32	05/23/20 20:01	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**12.0**	%	0.10	0.10	1		05/27/20 09:10		

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35551704

Sample: OW6-South-SB-0-1 **Lab ID: 35551704002** Collected: 05/21/20 13:40 Received: 05/21/20 16:25 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	**6.3 U**	mg/kg	7.4	6.3	1	05/23/20 03:13	05/23/20 19:00		
Surrogates									
o-Terphenyl (S)	91	%	66-136		1	05/23/20 03:13	05/23/20 19:00	84-15-1	
N-Pentatriacontane (S)	86	%	42-159		1	05/23/20 03:13	05/23/20 19:00	630-07-09	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - Ormond Beach								
Arsenic	**0.52 I**	mg/kg	0.62	0.31	1	05/26/20 17:33	05/27/20 09:03	7440-38-2	
Barium	**3.1**	mg/kg	0.62	0.31	1	05/26/20 17:33	05/27/20 09:03	7440-39-3	
Boron	**2.5 I**	mg/kg	3.1	1.5	1	05/26/20 17:33	05/27/20 09:03	7440-42-8	
Cadmium	**0.031 U**	mg/kg	0.062	0.031	1	05/26/20 17:33	05/27/20 09:03	7440-43-9	
Chromium	**1.4**	mg/kg	0.31	0.15	1	05/26/20 17:33	05/27/20 09:03	7440-47-3	
Lead	**3.5**	mg/kg	0.62	0.31	1	05/26/20 17:33	05/27/20 09:03	7439-92-1	
Molybdenum	**34.1**	mg/kg	0.62	0.31	1	05/26/20 17:33	05/27/20 09:03	7439-98-7	
Nickel	**0.76**	mg/kg	0.31	0.15	1	05/26/20 17:33	05/27/20 09:03	7440-02-0	
Selenium	**0.46 U**	mg/kg	0.92	0.46	1	05/26/20 17:33	05/27/20 09:03	7782-49-2	
Silver	**0.15 U**	mg/kg	0.31	0.15	1	05/26/20 17:33	05/27/20 09:03	7440-22-4	
Vanadium	**3.0**	mg/kg	0.62	0.31	1	05/26/20 17:33	05/27/20 09:03	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.0093 I**	mg/kg	0.012	0.0058	1	05/22/20 08:26	05/26/20 13:54	7439-97-6	
8270 MSSV Short List Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.014 U**	mg/kg	0.044	0.014	1	05/23/20 02:32	05/23/20 19:09	83-32-9	
Acenaphthylene	**0.013 U**	mg/kg	0.042	0.013	1	05/23/20 02:32	05/23/20 19:09	208-96-8	
Anthracene	**0.015 U**	mg/kg	0.044	0.015	1	05/23/20 02:32	05/23/20 19:09	120-12-7	
Benzo(a)anthracene	**0.012 U**	mg/kg	0.042	0.012	1	05/23/20 02:32	05/23/20 19:09	56-55-3	J(M1)
Benzo(a)pyrene	**0.010 U**	mg/kg	0.042	0.010	1	05/23/20 02:32	05/23/20 19:09	50-32-8	J(M1)
Benzo(b)fluoranthene	**0.011 U**	mg/kg	0.042	0.011	1	05/23/20 02:32	05/23/20 19:09	205-99-2	J(M1)
Benzo(g,h,i)perylene	**0.010 U**	mg/kg	0.042	0.010	1	05/23/20 02:32	05/23/20 19:09	191-24-2	J(M1)
Benzo(k)fluoranthene	**0.011 U**	mg/kg	0.042	0.011	1	05/23/20 02:32	05/23/20 19:09	207-08-9	J(M1)
Chrysene	**0.013 U**	mg/kg	0.042	0.013	1	05/23/20 02:32	05/23/20 19:09	218-01-9	J(M1)
Dibenz(a,h)anthracene	**0.0096 U**	mg/kg	0.042	0.0096	1	05/23/20 02:32	05/23/20 19:09	53-70-3	J(M1)
Fluoranthene	**0.014 U**	mg/kg	0.042	0.014	1	05/23/20 02:32	05/23/20 19:09	206-44-0	J(M1)
Fluorene	**0.015 U**	mg/kg	0.046	0.015	1	05/23/20 02:32	05/23/20 19:09	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.0095 U**	mg/kg	0.042	0.0095	1	05/23/20 02:32	05/23/20 19:09	193-39-5	J(M1)
1-Methylnaphthalene	**0.016 U**	mg/kg	0.049	0.016	1	05/23/20 02:32	05/23/20 19:09	90-12-0	
2-Methylnaphthalene	**0.016 U**	mg/kg	0.048	0.016	1	05/23/20 02:32	05/23/20 19:09	91-57-6	
Naphthalene	**0.014 U**	mg/kg	0.043	0.014	1	05/23/20 02:32	05/23/20 19:09	91-20-3	
Phenanthrene	**0.014 U**	mg/kg	0.042	0.014	1	05/23/20 02:32	05/23/20 19:09	85-01-8	
Pyrene	**0.013 U**	mg/kg	0.042	0.013	1	05/23/20 02:32	05/23/20 19:09	129-00-0	

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(386)672-5668

ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35551704

Sample: OW6-South-SB-0-1 **Lab ID: 35551704002** Collected: 05/21/20 13:40 Received: 05/21/20 16:25 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 Short List Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Ormond Beach								
Surrogates									
Nitrobenzene-d5 (S)	67	%	24-98		1	05/23/20 02:32	05/23/20 19:09	4165-60-0	
2-Fluorobiphenyl (S)	59	%	29-101		1	05/23/20 02:32	05/23/20 19:09	321-60-8	
p-Terphenyl-d14 (S)	51	%	29-112		1	05/23/20 02:32	05/23/20 19:09	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**18.2**	%	0.10	0.10	1		05/27/20 09:10		

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35551704

QC Batch: 634996
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35551704001, 35551704002

METHOD BLANK: 3453683 Matrix: Solid
Associated Lab Samples: 35551704001, 35551704002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0048 U	0.0097	0.0048	05/26/20 12:27	

LABORATORY CONTROL SAMPLE: 3453684

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.097	0.095	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3453687 3453688

Parameter	Units	35551194001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.032 U	0.77	0.73	0.57	0.58	72	77	80-120	2	20	J(M1)

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35551704

QC Batch: 635751
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET Solid
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35551704001, 35551704002

METHOD BLANK: 3457220 Matrix: Solid
Associated Lab Samples: 35551704001, 35551704002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.24 U	0.49	0.24	05/27/20 07:34	
Barium	mg/kg	0.24 U	0.49	0.24	05/27/20 07:34	
Boron	mg/kg	1.2 U	2.4	1.2	05/27/20 07:34	
Cadmium	mg/kg	0.024 U	0.049	0.024	05/27/20 07:34	
Chromium	mg/kg	0.12 U	0.24	0.12	05/27/20 07:34	
Lead	mg/kg	0.24 U	0.49	0.24	05/27/20 07:34	
Molybdenum	mg/kg	0.24 U	0.49	0.24	05/27/20 07:34	
Nickel	mg/kg	0.12 U	0.24	0.12	05/27/20 07:34	
Selenium	mg/kg	0.36 U	0.73	0.36	05/27/20 07:34	
Silver	mg/kg	0.12 U	0.24	0.12	05/27/20 07:34	
Vanadium	mg/kg	0.24 U	0.49	0.24	05/27/20 07:34	

LABORATORY CONTROL SAMPLE: 3457221

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	11.7	11.8	101	80-120	
Barium	mg/kg	11.7	12.5	108	80-120	
Boron	mg/kg	58.3	58.0	100	80-120	
Cadmium	mg/kg	1.2	1.3	108	80-120	
Chromium	mg/kg	11.7	12.8	110	80-120	
Lead	mg/kg	11.7	12.5	107	80-120	
Molybdenum	mg/kg	11.7	12.8	110	80-120	
Nickel	mg/kg	11.7	12.8	110	80-120	
Selenium	mg/kg	11.7	11.1	96	80-120	
Silver	mg/kg	1.2	1.2	102	80-120	
Vanadium	mg/kg	11.7	12.6	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3457222 3457223

Parameter	Units	35551384001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	0.31 U	13.1	14.3	12.0	13.0	90	90	75-125	8	20	
Barium	mg/kg	2.2	13.1	14.3	16.9	17.8	113	111	75-125	5	20	
Boron	mg/kg	1.5 U	65.5	71.1	65.7	71.0	98	98	75-125	8	20	
Cadmium	mg/kg	0.031 U	1.3	1.4	1.4	1.5	106	105	75-125	7	20	
Chromium	mg/kg	1.0	13.1	14.3	15.5	16.5	111	109	75-125	6	20	
Lead	mg/kg	1.8	13.1	14.3	16.0	16.9	109	107	75-125	6	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35551704

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3457222 3457223

Parameter	Units	35551384001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum	mg/kg	13.5	13.1	14.3	27.7	30.3	106	116	75-125	9	20	
Nickel	mg/kg	0.15 U	13.1	14.3	14.6	15.7	108	108	75-125	8	20	
Selenium	mg/kg	0.46 U	13.1	14.3	11.6	12.8	88	89	75-125	10	20	
Silver	mg/kg	0.15 U	1.3	1.4	1.3	1.4	100	100	75-125	8	20	
Vanadium	mg/kg	1.3	13.1	14.3	16.0	17.0	111	109	75-125	6	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35551704

QC Batch: 635284
QC Batch Method: EPA 3546
Analysis Method: EPA 8270
Analysis Description: 8270 Solid MSSV Microwave Short Spike
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35551704001, 35551704002

METHOD BLANK: 3455405 Matrix: Solid
Associated Lab Samples: 35551704001, 35551704002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	0.013 U	0.040	0.013	05/23/20 17:19	
2-Methylnaphthalene	mg/kg	0.013 U	0.039	0.013	05/23/20 17:19	
Acenaphthene	mg/kg	0.012 U	0.036	0.012	05/23/20 17:19	
Acenaphthylene	mg/kg	0.011 U	0.034	0.011	05/23/20 17:19	
Anthracene	mg/kg	0.012 U	0.036	0.012	05/23/20 17:19	
Benzo(a)anthracene	mg/kg	0.0097 U	0.034	0.0097	05/23/20 17:19	
Benzo(a)pyrene	mg/kg	0.0084 U	0.034	0.0084	05/23/20 17:19	
Benzo(b)fluoranthene	mg/kg	0.0091 U	0.034	0.0091	05/23/20 17:19	
Benzo(g,h,i)perylene	mg/kg	0.0085 U	0.034	0.0085	05/23/20 17:19	
Benzo(k)fluoranthene	mg/kg	0.0091 U	0.034	0.0091	05/23/20 17:19	
Chrysene	mg/kg	0.011 U	0.034	0.011	05/23/20 17:19	
Dibenz(a,h)anthracene	mg/kg	0.0078 U	0.034	0.0078	05/23/20 17:19	
Fluoranthene	mg/kg	0.011 U	0.034	0.011	05/23/20 17:19	
Fluorene	mg/kg	0.012 U	0.037	0.012	05/23/20 17:19	
Indeno(1,2,3-cd)pyrene	mg/kg	0.0078 U	0.034	0.0078	05/23/20 17:19	
Naphthalene	mg/kg	0.012 U	0.035	0.012	05/23/20 17:19	
Phenanthrene	mg/kg	0.011 U	0.034	0.011	05/23/20 17:19	
Pyrene	mg/kg	0.011 U	0.034	0.011	05/23/20 17:19	
2-Fluorobiphenyl (S)	%	72	29-101		05/23/20 17:19	
Nitrobenzene-d5 (S)	%	68	24-98		05/23/20 17:19	
p-Terphenyl-d14 (S)	%	79	29-112		05/23/20 17:19	

LABORATORY CONTROL SAMPLE: 3455406

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	1.7	1.1	65	38-115	
2-Methylnaphthalene	mg/kg	1.7	1.1	65	37-115	
Acenaphthene	mg/kg	1.7	1.0	63	30-127	
Acenaphthylene	mg/kg	1.7	1.2	70	29-129	
Anthracene	mg/kg	1.7	1.2	71	37-126	
Benzo(a)anthracene	mg/kg	1.7	1.2	73	37-130	
Benzo(a)pyrene	mg/kg	1.7	1.2	74	39-128	
Benzo(b)fluoranthene	mg/kg	1.7	1.2	69	38-128	
Benzo(g,h,i)perylene	mg/kg	1.7	1.3	79	34-136	
Benzo(k)fluoranthene	mg/kg	1.7	1.3	77	39-133	
Chrysene	mg/kg	1.7	1.2	75	39-125	
Dibenz(a,h)anthracene	mg/kg	1.7	1.3	78	37-127	
Fluoranthene	mg/kg	1.7	1.2	74	39-130	
Fluorene	mg/kg	1.7	1.2	71	35-125	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35551704

LABORATORY CONTROL SAMPLE: 3455406

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.3	77	35-133	
Naphthalene	mg/kg	1.7	1.1	65	36-115	
Phenanthrene	mg/kg	1.7	1.2	70	35-128	
Pyrene	mg/kg	1.7	1.2	73	37-132	
2-Fluorobiphenyl (S)	%			72	29-101	
Nitrobenzene-d5 (S)	%			67	24-98	
p-Terphenyl-d14 (S)	%			79	29-112	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3455407 3455408

Parameter	Units	35551704002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	mg/kg	0.016 U	2.1	2.1	1.1	0.99	53	48	38-115	8	40	
2-Methylnaphthalene	mg/kg	0.016 U	2.1	2.1	1.1	1.0	53	49	37-115	9	40	
Acenaphthene	mg/kg	0.014 U	2.1	2.1	1.0	0.88	49	43	30-127	14	40	
Acenaphthylene	mg/kg	0.013 U	2.1	2.1	1.1	0.96	53	47	29-129	12	40	
Anthracene	mg/kg	0.015 U	2.1	2.1	1.0	0.84	49	41	37-126	18	40	
Benzo(a)anthracene	mg/kg	0.012 U	2.1	2.1	0.90	0.71	44	34	37-130	24	40	J(M1)
Benzo(a)pyrene	mg/kg	0.010 U	2.1	2.1	0.83	0.64	40	31	39-128	26	40	J(M1)
Benzo(b)fluoranthene	mg/kg	0.011 U	2.1	2.1	0.76	0.60	37	29	38-128	23	40	J(M1)
Benzo(g,h,i)perylene	mg/kg	0.010 U	2.1	2.1	0.84	0.64	41	31	34-136	27	40	J(M1)
Benzo(k)fluoranthene	mg/kg	0.011 U	2.1	2.1	0.92	0.70	45	34	39-133	27	40	J(M1)
Chrysene	mg/kg	0.013 U	2.1	2.1	0.94	0.75	46	36	39-125	23	40	J(M1)
Dibenz(a,h)anthracene	mg/kg	0.0096 U	2.1	2.1	0.87	0.67	42	32	37-127	27	40	J(M1)
Fluoranthene	mg/kg	0.014 U	2.1	2.1	0.97	0.78	47	38	39-130	22	40	J(M1)
Fluorene	mg/kg	0.015 U	2.1	2.1	1.1	0.92	52	45	35-125	15	40	
Indeno(1,2,3-cd)pyrene	mg/kg	0.0095 U	2.1	2.1	0.83	0.63	40	31	35-133	27	40	J(M1)
Naphthalene	mg/kg	0.014 U	2.1	2.1	1.2	1.1	56	54	36-115	3	40	
Phenanthrene	mg/kg	0.014 U	2.1	2.1	1.0	0.84	48	41	35-128	17	40	
Pyrene	mg/kg	0.013 U	2.1	2.1	0.94	0.77	45	38	37-132	19	40	
2-Fluorobiphenyl (S)	%						60	48	29-101			
Nitrobenzene-d5 (S)	%						62	58	24-98			
p-Terphenyl-d14 (S)	%						53	37	29-112			

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35551704

QC Batch: 635285
QC Batch Method: EPA 3546
Analysis Method: FL-PRO
Analysis Description: FL-PRO Soil
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35551704001, 35551704002

METHOD BLANK: 3455409 Matrix: Solid
Associated Lab Samples: 35551704001, 35551704002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Petroleum Range Organics	mg/kg	5.1 U	6.0	5.1	05/23/20 13:20	
N-Pentatriacontane (S)	%	84	42-159		05/23/20 13:20	
o-Terphenyl (S)	%	92	66-136		05/23/20 13:20	

LABORATORY CONTROL SAMPLE: 3455410

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Petroleum Range Organics	mg/kg	198	156	79	65-119	
N-Pentatriacontane (S)	%			79	42-159	
o-Terphenyl (S)	%			86	66-136	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3455411 3455412

Parameter	Units	35551704001 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	5.8 U	228	228	196	195	85	85	39-181	1	25	
N-Pentatriacontane (S)	%						94	93	42-159			
o-Terphenyl (S)	%						97	98	66-136			

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35551704

QC Batch: 635938
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35551704001, 35551704002

SAMPLE DUPLICATE: 3458067

Parameter	Units	35544186006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.5	19.8	2	10	Q

SAMPLE DUPLICATE: 3458068

Parameter	Units	35544186031 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.5	10.4	18	10	J(D6),Q

SAMPLE DUPLICATE: 3458069

Parameter	Units	35549262022 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.6	15.1	4	10	

SAMPLE DUPLICATE: 3458070

Parameter	Units	35549262049 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.5	13.6	1	10	

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Ormond Beach, FL 32174
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QUALIFIERS

Project: JEA SJRPP
Pace Project No.: 35551704

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
Q	Sample held beyond the accepted holding time. Sample was received outside EPA method holding time.

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP
Pace Project No.: 35551704

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35551704001	**OW6-North-SB-0-1**	EPA 3546	635285	FL-PRO	635353
35551704002	**OW6-South-SB-0-1**	EPA 3546	635285	FL-PRO	635353
35551704001	**OW6-North-SB-0-1**	EPA 3050	635751	EPA 6010	635840
35551704002	**OW6-South-SB-0-1**	EPA 3050	635751	EPA 6010	635840
35551704001	**OW6-North-SB-0-1**	EPA 7471	634996	EPA 7471	635047
35551704002	**OW6-South-SB-0-1**	EPA 7471	634996	EPA 7471	635047
35551704001	**OW6-North-SB-0-1**	EPA 3546	635284	EPA 8270	635395
35551704002	**OW6-South-SB-0-1**	EPA 3546	635284	EPA 8270	635395
35551704001	**OW6-North-SB-0-1**	ASTM D2974-87	635938		
35551704002	**OW6-South-SB-0-1**	ASTM D2974-87	635938		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workor

ALL SHADED

WO# : 35551704

35551704

Company: APTIM Environmental & Infrastructure, Inc.	Billing Information: P-Card
Address: 1228 Winter Garden Vineland Rd. Winter Garden, FL 34787	
Report To: Greg Dever	Email To: greg.dever@aptim.com
Copy To: shane Yenchi shane.yenchi@aptim.com	Site Collection Info/Address: East EQ Basin
Customer Project Name/Number: JEA SJRPP	State: FL / County/City: JAX Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET
Phone: 407-466-6895 Email: greg.dever@aptim.com	Site/Facility ID #: Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Roger Grenville	Purchase Order # : P-Card Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: RUSH Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: ____ [ ] Hold: ____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [X] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [X] No Analysis: ____

Container Preservative Type

	U		U		U		U		U

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other ____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	RCRA 8 Metals (6010 / 7471)	Boron (6010)	Molybdenum (6010)	Nickel (6010)	Nickel (6010)	Vanadium (6010)	TRPH (FL Pro)	PAH's (8270C SIM)	
OW6-North-SB-0-1	Soil	Grab	5/21/20	1325	N/A	N/A		1	x	x	x	x	x	x	x	x	
OW6-South-SB-0-1	Soil	Grab	5/21/20	1340	N/A	N/A		1	x	x	x	x	x	x	x	x	

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: ____	
Sample pH Acceptable	Y N NA
pH Strips: ____	
Sulfide Present	Y N NA
Lead Acetate Strips: ____	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours) : Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: T-357
Cooler 1 Temp Upon Receipt: __oC
Cooler 1 Therm Corr. Factor: __oC
Cooler 1 Corrected Temp: 4.0 oC
Comments:

Relinquished by/Company: (Signature) Shane Yenchi APTIM	Date/Time: 05/21/20 16:25	Received by/Company: (Signature) Pace	Date/Time: 5/21/20 1675
Relinquished by/Company: (Signature) Pace	Date/Time: 5/21/20 1700	Received by/Company: (Signature) FCX	Date/Time: 5/21/20 1700
Relinquished by/Company: (Signature) FCX	Date/Time:	Received by/Company: (Signature) SMK/Pace	Date/Time: 5-21-202340

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

WO# : 35551704

Project # PM: TSR Due Date: 05/27/20

Project Manager: CLIENT: SHAJAX

Client:

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

Thermometer Used: T337 Date: 5/21/20 Time: 2345 Initials: TMA

State of Origin: ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	4.0 (Visual)	0.0 (Correction Factor)	4.0 (Actual)	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ 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 Dry 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	☒Yes	☐ No	☐N/A	
Chain of Custody Filled Out	☒Yes	☐ No	☐N/A	
Relinquished Signature & Sampler Name COC	☐Yes	☒ No	☐N/A	Missing Sampler
Samples Arrived within Hold Time	☒Yes	☐ No	☐N/A	
Rush TAT requested on COC	☒Yes	☐ No	☐N/A	3 DAY
Sufficient Volume	☒Yes	☐ No	☐N/A	
Correct Containers Used	☒Yes	☐ No	☐N/A	
Containers Intact	☒Yes	☐ No	☐N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☒Yes	☐ No	☐N/A	
All containers needing acid/base preservation have been checked.	☐Yes	☐ No	☒N/A	Preservation Information: Preservative: Lot #/Trace #: Date: Time: Initials:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐Yes	☐ No	☒N/A	
Headspace in VOA Vials? (>6mm):	☐Yes	☐ No	☒N/A	
Trip Blank Present:	☐Yes	☐ No	☒N/A	

Client Notification/ Resolution:
Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

May 27, 2020

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP
Pace Project No.: 35551384

Dear Mr. Dever:

Enclosed are the analytical results for sample(s) received by the laboratory on May 20, 2020. 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 Analytical Services - Ormond Beach

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Ms. Maryann Hooper, APTIM-Environmental & Infrastructure, Inc.
Mr. William Mahler, APTIM-Environmental & Infrastructure, Inc.

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CERTIFICATIONS

Project: JEA SJRPP
Pace Project No.: 35551384

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
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
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
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: JEA SJRPP
Pace Project No.: 35551384

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35551384001	**OW7-SB-0-1**	Solid	05/20/20 13:30	05/20/20 23:25

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP
Pace Project No.: 35551384

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35551384001	**OW7-SB-0-1**	FL-PRO	BMC	3	PASI-O
		EPA 6010	CS2, KPP	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		EPA 8270	TWB	21	PASI-O
		ASTM D2974-87	JM2	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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SUMMARY OF DETECTION

Project: JEA SJRPP
Pace Project No.: 35551384

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35551384001	**OW7-SB-0-1**					
EPA 6010	Barium	2.2	mg/kg	0.61	05/23/20 13:38	
EPA 6010	Chromium	1.0	mg/kg	0.31	05/27/20 07:41	
EPA 6010	Lead	1.8	mg/kg	0.61	05/23/20 13:38	
EPA 6010	Molybdenum	13.5	mg/kg	0.61	05/23/20 13:38	
EPA 6010	Vanadium	1.3	mg/kg	0.61	05/23/20 13:38	
EPA 7471	Mercury	0.012	mg/kg	0.012	05/26/20 12:48	
ASTM D2974-87	Percent Moisture	16.6	%	0.10	05/22/20 09:51	

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35551384

Sample: OW7-SB-0-1 **Lab ID: 35551384001** Collected: 05/20/20 13:30 Received: 05/20/20 23:25 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	**6.2 U**	mg/kg	7.2	6.2	1	05/21/20 23:55	05/22/20 11:02		
Surrogates									
o-Terphenyl (S)	82	%	66-136		1	05/21/20 23:55	05/22/20 11:02	84-15-1	
N-Pentatriacontane (S)	85	%	42-159		1	05/21/20 23:55	05/22/20 11:02	630-07-09	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - Ormond Beach								
Arsenic	**0.31 U**	mg/kg	0.61	0.31	1	05/23/20 02:05	05/23/20 13:38	7440-38-2	
Barium	**2.2**	mg/kg	0.61	0.31	1	05/23/20 02:05	05/23/20 13:38	7440-39-3	
Boron	**1.5 U**	mg/kg	3.1	1.5	1	05/23/20 02:05	05/23/20 13:38	7440-42-8	
Cadmium	**0.031 U**	mg/kg	0.061	0.031	1	05/23/20 02:05	05/23/20 13:38	7440-43-9	
Chromium	**1.0**	mg/kg	0.31	0.15	1	05/26/20 17:33	05/27/20 07:41	7440-47-3	
Lead	**1.8**	mg/kg	0.61	0.31	1	05/23/20 02:05	05/23/20 13:38	7439-92-1	
Molybdenum	**13.5**	mg/kg	0.61	0.31	1	05/23/20 02:05	05/23/20 13:38	7439-98-7	
Nickel	**0.15 U**	mg/kg	0.31	0.15	1	05/23/20 02:05	05/23/20 13:38	7440-02-0	
Selenium	**0.46 U**	mg/kg	0.92	0.46	1	05/23/20 02:05	05/23/20 13:38	7782-49-2	
Silver	**0.15 U**	mg/kg	0.31	0.15	1	05/23/20 02:05	05/23/20 13:38	7440-22-4	
Vanadium	**1.3**	mg/kg	0.61	0.31	1	05/23/20 02:05	05/23/20 13:38	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.012**	mg/kg	0.012	0.0059	1	05/22/20 08:26	05/26/20 12:48	7439-97-6	
8270 MSSV Short List Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Ormond Beach								
Acenaphthene	**0.014 U**	mg/kg	0.043	0.014	1	05/21/20 23:22	05/22/20 18:26	83-32-9	
Acenaphthylene	**0.013 U**	mg/kg	0.041	0.013	1	05/21/20 23:22	05/22/20 18:26	208-96-8	
Anthracene	**0.014 U**	mg/kg	0.043	0.014	1	05/21/20 23:22	05/22/20 18:26	120-12-7	
Benzo(a)anthracene	**0.012 U**	mg/kg	0.041	0.012	1	05/21/20 23:22	05/22/20 18:26	56-55-3	
Benzo(a)pyrene	**0.010 U**	mg/kg	0.041	0.010	1	05/21/20 23:22	05/22/20 18:26	50-32-8	
Benzo(b)fluoranthene	**0.011 U**	mg/kg	0.041	0.011	1	05/21/20 23:22	05/22/20 18:26	205-99-2	
Benzo(g,h,i)perylene	**0.010 U**	mg/kg	0.041	0.010	1	05/21/20 23:22	05/22/20 18:26	191-24-2	
Benzo(k)fluoranthene	**0.011 U**	mg/kg	0.041	0.011	1	05/21/20 23:22	05/22/20 18:26	207-08-9	
Chrysene	**0.013 U**	mg/kg	0.041	0.013	1	05/21/20 23:22	05/22/20 18:26	218-01-9	
Dibenz(a,h)anthracene	**0.0094 U**	mg/kg	0.041	0.0094	1	05/21/20 23:22	05/22/20 18:26	53-70-3	
Fluoranthene	**0.013 U**	mg/kg	0.041	0.013	1	05/21/20 23:22	05/22/20 18:26	206-44-0	
Fluorene	**0.015 U**	mg/kg	0.045	0.015	1	05/21/20 23:22	05/22/20 18:26	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.0093 U**	mg/kg	0.041	0.0093	1	05/21/20 23:22	05/22/20 18:26	193-39-5	
1-Methylnaphthalene	**0.016 U**	mg/kg	0.048	0.016	1	05/21/20 23:22	05/22/20 18:26	90-12-0	
2-Methylnaphthalene	**0.016 U**	mg/kg	0.047	0.016	1	05/21/20 23:22	05/22/20 18:26	91-57-6	
Naphthalene	**0.014 U**	mg/kg	0.042	0.014	1	05/21/20 23:22	05/22/20 18:26	91-20-3	
Phenanthrene	**0.013 U**	mg/kg	0.041	0.013	1	05/21/20 23:22	05/22/20 18:26	85-01-8	
Pyrene	**0.013 U**	mg/kg	0.041	0.013	1	05/21/20 23:22	05/22/20 18:26	129-00-0	

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35551384

Sample: OW7-SB-0-1 **Lab ID: 35551384001** Collected: 05/20/20 13:30 Received: 05/20/20 23:25 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 Short List Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546 Pace Analytical Services - Ormond Beach								
Surrogates									
Nitrobenzene-d5 (S)	120	%	24-98		1	05/21/20 23:22	05/22/20 18:26	4165-60-0	S3
2-Fluorobiphenyl (S)	92	%	29-101		1	05/21/20 23:22	05/22/20 18:26	321-60-8	
p-Terphenyl-d14 (S)	56	%	29-112		1	05/21/20 23:22	05/22/20 18:26	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**16.6**	%	0.10	0.10	1		05/22/20 09:51		

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35551384

QC Batch: 634996
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35551384001

METHOD BLANK: 3453683 Matrix: Solid
Associated Lab Samples: 35551384001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0048 U	0.0097	0.0048	05/26/20 12:27	

LABORATORY CONTROL SAMPLE: 3453684

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.097	0.095	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3453687 3453688

Parameter	Units	35551194001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.032 U	0.77	0.73	0.57	0.58	72	77	80-120	2	20	J(M1)

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35551384

QC Batch: 635296
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET Solid
Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35551384001

METHOD BLANK: 3455431 Matrix: Solid
Associated Lab Samples: 35551384001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.31 U	0.62	0.31	05/26/20 12:22	
Barium	mg/kg	0.31 U	0.62	0.31	05/26/20 12:22	
Boron	mg/kg	1.6 U	3.1	1.6	05/26/20 12:22	
Cadmium	mg/kg	0.031 U	0.062	0.031	05/26/20 12:22	
Lead	mg/kg	0.31 U	0.62	0.31	05/26/20 12:22	
Molybdenum	mg/kg	0.31 U	0.62	0.31	05/26/20 12:22	
Nickel	mg/kg	0.16 U	0.31	0.16	05/26/20 12:22	
Selenium	mg/kg	0.47 U	0.93	0.47	05/26/20 12:22	
Silver	mg/kg	0.16 U	0.31	0.16	05/26/20 12:22	
Vanadium	mg/kg	0.31 U	0.62	0.31	05/26/20 12:22	

LABORATORY CONTROL SAMPLE: 3455432

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	15.2	16.4	108	80-120	
Barium	mg/kg	15.2	17.4	115	80-120	
Boron	mg/kg	75.9	81.8	108	80-120	
Cadmium	mg/kg	1.5	1.8	115	80-120	
Lead	mg/kg	15.2	17.4	115	80-120	
Molybdenum	mg/kg	15.2	17.5	115	80-120	
Nickel	mg/kg	15.2	17.7	116	80-120	
Selenium	mg/kg	15.2	15.5	102	80-120	
Silver	mg/kg	1.5	1.6	103	80-120	
Vanadium	mg/kg	15.2	17.8	117	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3455433 3455434

Parameter	Units	35550958003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	1.2	15.4	15.7	17.1	17.3	103	103	75-125	1	20	
Barium	mg/kg	10.3	15.4	15.7	27.4	27.0	111	106	75-125	2	20	
Boron	mg/kg	4.7	77.2	78.4	80.6	77.0	98	92	75-125	5	20	
Cadmium	mg/kg	0.19	1.6	1.6	1.6	1.4	93	77	75-125	15	20	
Lead	mg/kg	7.5	15.4	15.7	21.1	26.0	88	118	75-125	21	20	J(R1)
Molybdenum	mg/kg	0.31 U	15.4	15.7	14.7	14.8	96	94	75-125	0	20	
Nickel	mg/kg	2.2	15.4	15.7	16.6	18.2	93	102	75-125	9	20	
Selenium	mg/kg	0.47 U	15.4	15.7	13.6	15.4	88	98	75-125	12	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35551384

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3455433 3455434

Parameter	Units	35550958003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Silver	mg/kg	0.16 U	1.6	1.6	1.2	2.1	76	136	75-125	57	20	J(M1), J(R1)
Vanadium	mg/kg	6.2	15.4	15.7	23.3	25.1	110	120	75-125	8	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35551384

QC Batch: 635751
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET Solid
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35551384001

METHOD BLANK: 3457220 Matrix: Solid
Associated Lab Samples: 35551384001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chromium	mg/kg	0.12 U	0.24	0.12	05/27/20 07:34	

LABORATORY CONTROL SAMPLE: 3457221

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium	mg/kg	11.7	12.8	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3457222 3457223

Parameter	Units	35551384001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium	mg/kg	1.0	13.1	14.3	15.5	16.5	111	109	75-125	6	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35551384

QC Batch: 634937
QC Batch Method: EPA 3546
Analysis Method: EPA 8270
Analysis Description: 8270 Solid MSSV Microwave Short Spike
Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35551384001

METHOD BLANK: 3453384 Matrix: Solid
Associated Lab Samples: 35551384001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	0.013 U	0.040	0.013	05/22/20 09:02	
2-Methylnaphthalene	mg/kg	0.013 U	0.039	0.013	05/22/20 09:02	
Acenaphthene	mg/kg	0.012 U	0.036	0.012	05/22/20 09:02	
Acenaphthylene	mg/kg	0.011 U	0.034	0.011	05/22/20 09:02	
Anthracene	mg/kg	0.012 U	0.036	0.012	05/22/20 09:02	
Benzo(a)anthracene	mg/kg	0.0097 U	0.034	0.0097	05/22/20 09:02	
Benzo(a)pyrene	mg/kg	0.0084 U	0.034	0.0084	05/22/20 09:02	
Benzo(b)fluoranthene	mg/kg	0.0091 U	0.034	0.0091	05/22/20 09:02	
Benzo(g,h,i)perylene	mg/kg	0.0085 U	0.034	0.0085	05/22/20 09:02	
Benzo(k)fluoranthene	mg/kg	0.0091 U	0.034	0.0091	05/22/20 09:02	
Chrysene	mg/kg	0.011 U	0.034	0.011	05/22/20 09:02	
Dibenz(a,h)anthracene	mg/kg	0.0078 U	0.034	0.0078	05/22/20 09:02	
Fluoranthene	mg/kg	0.011 U	0.034	0.011	05/22/20 09:02	
Fluorene	mg/kg	0.012 U	0.037	0.012	05/22/20 09:02	
Indeno(1,2,3-cd)pyrene	mg/kg	0.0078 U	0.034	0.0078	05/22/20 09:02	
Naphthalene	mg/kg	0.012 U	0.035	0.012	05/22/20 09:02	
Phenanthrene	mg/kg	0.011 U	0.034	0.011	05/22/20 09:02	
Pyrene	mg/kg	0.011 U	0.034	0.011	05/22/20 09:02	
2-Fluorobiphenyl (S)	%	64	29-101		05/22/20 09:02	
Nitrobenzene-d5 (S)	%	76	24-98		05/22/20 09:02	
p-Terphenyl-d14 (S)	%	74	29-112		05/22/20 09:02	

LABORATORY CONTROL SAMPLE: 3453385

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	1.7	1.3	77	38-115	
2-Methylnaphthalene	mg/kg	1.7	1.3	78	37-115	
Acenaphthene	mg/kg	1.7	1.2	74	30-127	
Acenaphthylene	mg/kg	1.7	1.4	81	29-129	
Anthracene	mg/kg	1.7	1.3	80	37-126	
Benzo(a)anthracene	mg/kg	1.7	1.3	80	37-130	
Benzo(a)pyrene	mg/kg	1.7	1.3	77	39-128	
Benzo(b)fluoranthene	mg/kg	1.7	1.2	74	38-128	
Benzo(g,h,i)perylene	mg/kg	1.7	1.4	83	34-136	
Benzo(k)fluoranthene	mg/kg	1.7	1.4	83	39-133	
Chrysene	mg/kg	1.7	1.4	81	39-125	
Dibenz(a,h)anthracene	mg/kg	1.7	1.4	83	37-127	
Fluoranthene	mg/kg	1.7	1.3	79	39-130	
Fluorene	mg/kg	1.7	1.4	81	35-125	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35551384

LABORATORY CONTROL SAMPLE: 3453385

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.4	83	35-133	
Naphthalene	mg/kg	1.7	1.2	75	36-115	
Phenanthrene	mg/kg	1.7	1.3	80	35-128	
Pyrene	mg/kg	1.7	1.3	80	37-132	
2-Fluorobiphenyl (S)	%			78	29-101	
Nitrobenzene-d5 (S)	%			91	24-98	
p-Terphenyl-d14 (S)	%			86	29-112	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3453386 3453387

Parameter	Units	35550991004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	mg/kg	0.033 U	3.7	3.6	2.2	2.1	58	58	38-115	4	40	
2-Methylnaphthalene	mg/kg	0.032 U	3.7	3.6	2.2	2.1	59	59	37-115	3	40	
Acenaphthene	mg/kg	0.029 U	3.7	3.6	1.9	1.9	52	54	30-127	1	40	
Acenaphthylene	mg/kg	0.027 U	3.7	3.6	2.2	2.2	60	60	29-129	3	40	
Anthracene	mg/kg	0.030 U	3.7	3.6	2.0	2.1	54	59	37-126	4	40	
Benzo(a)anthracene	mg/kg	0.024 U	3.7	3.6	1.7	2.0	47	57	37-130	17	40	
Benzo(a)pyrene	mg/kg	0.021 U	3.7	3.6	1.6	1.9	43	52	39-128	15	40	
Benzo(b)fluoranthene	mg/kg	0.023 U	3.7	3.6	1.7	1.9	45	53	38-128	14	40	
Benzo(g,h,i)perylene	mg/kg	0.021 U	3.7	3.6	1.6	1.9	42	52	34-136	19	40	
Benzo(k)fluoranthene	mg/kg	0.023 U	3.7	3.6	1.7	2.0	45	55	39-133	17	40	
Chrysene	mg/kg	0.027 U	3.7	3.6	1.8	2.1	47	58	39-125	18	40	
Dibenz(a,h)anthracene	mg/kg	0.020 U	3.7	3.6	1.6	1.9	42	53	37-127	20	40	
Fluoranthene	mg/kg	0.028 U	3.7	3.6	1.9	2.1	52	57	39-130	5	40	
Fluorene	mg/kg	0.030 U	3.7	3.6	2.1	2.1	57	59	35-125	1	40	
Indeno(1,2,3-cd)pyrene	mg/kg	0.019 U	3.7	3.6	1.6	1.9	43	53	35-133	17	40	
Naphthalene	mg/kg	0.029 U	3.7	3.6	2.2	2.1	58	58	36-115	5	40	
Phenanthrene	mg/kg	0.028 U	3.7	3.6	2.1	2.1	55	59	35-128	4	40	
Pyrene	mg/kg	0.027 U	3.7	3.6	1.9	2.2	52	60	37-132	12	40	
2-Fluorobiphenyl (S)	%						65	52	29-101			
Nitrobenzene-d5 (S)	%						80	69	24-98			
p-Terphenyl-d14 (S)	%						65	51	29-112			

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35551384

QC Batch: 634938
QC Batch Method: EPA 3546
Analysis Method: FL-PRO
Analysis Description: FL-PRO Soil
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35551384001

METHOD BLANK: 3453388 Matrix: Solid
Associated Lab Samples: 35551384001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Petroleum Range Organics	mg/kg	5.2 U	6.0	5.2	05/22/20 08:23	
N-Pentatriacontane (S)	%	94	42-159		05/22/20 08:23	
o-Terphenyl (S)	%	86	66-136		05/22/20 08:23	

LABORATORY CONTROL SAMPLE: 3453389

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Petroleum Range Organics	mg/kg	200	172	86	65-119	
N-Pentatriacontane (S)	%			96	42-159	
o-Terphenyl (S)	%			95	66-136	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3453390 3453391

Parameter	Units	35551034001 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	5.6 U	215	214	185	181	85	84	39-181	2	25	
N-Pentatriacontane (S)	%						90	93	42-159			
o-Terphenyl (S)	%						87	90	66-136			

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35551384

QC Batch: 635054
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35551384001

SAMPLE DUPLICATE: 3453839

Parameter	Units	35548385041 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.7	5.9	2	10	

SAMPLE DUPLICATE: 3453840

Parameter	Units	35548675005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.1	16.0	0	10	

SAMPLE DUPLICATE: 3453841

Parameter	Units	35551108004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	2.2	2.3	3	10	

SAMPLE DUPLICATE: 3453842

Parameter	Units	35551108020 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.7	17.8	1	10	

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

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: JEA SJRPP
Pace Project No.: 35551384

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

U	Compound was analyzed for but not detected.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(R1)	Estimated Value. RPD value was outside control limits.
S3	Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP
Pace Project No.: 35551384

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35551384001	**OW7-SB-0-1**	EPA 3546	634938	FL-PRO	634987
35551384001	**OW7-SB-0-1**	EPA 3050	635296	EPA 6010	635326
35551384001	**OW7-SB-0-1**	EPA 3050	635751	EPA 6010	635840
35551384001	**OW7-SB-0-1**	EPA 7471	634996	EPA 7471	635047
35551384001	**OW7-SB-0-1**	EPA 3546	634937	EPA 8270	634979
35551384001	**OW7-SB-0-1**	ASTM D2974-87	635054		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 35551384

35551384

Pace Workorder Number or

B USE ONLY

Company: APTIM Environmental & Infrastructure, Inc.	Billing Information: P-Card
Address: 1228 Winter Garden Vineland Rd. Winter Garden, FL 34787	
Report To: Greg Dever	Email To: greg.dever@aptim.com
Copy To: shane Yenchi shane.yenchi@aptim.com	Site Collection Info/Address: East EQ Basin
Customer Project Name/Number: JEA SJRPP	State: FL / County/City: JAX Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET
Phone: 407-466-6895 Email: greg.dever@aptim.com	Site/Facility ID #: Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Roger Grenville	Purchase Order # : P-Card Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: RUSH Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [X] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [X] No Analysis:

Container Preservative Type **

U	U	U	U	U	U	U	V	HCl

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	RCRA 8 Metals (6010 / 7471)	Boron (6010)	Molybdenum (6010)	Nickel (6010)	Nickel (6010)	Vanadium (6010)	TRPH (FL Pro)	PAH's (8270C SIM)	
OW7-SB-O-1	Soil	Grab	5/20/20	13:30	N/A	N/A		1	x	x	x	x	x	x	x	x	

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: __oC
Cooler 1 Therm Corr. Factor: __oC
Cooler 1 Corrected Temp: _____oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Shane Yenchi APTIM	5-20-20 1612	FCX	5/20/20 1612
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Pace	5/20/20 1700	FCX	5/20/20 1700
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
FCX		JMT	5/20/20 2325

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

WO#: 35551384
PM: TSR Due Date: 05/27/20
CLIENT: SHAJAX

Proje
Project Mana
Clie

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

Thermometer Used: T-337 Date: 5/20/20 Time: 1327 Initials: IRB

State of Origin: ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	0.3 (Visual)	+0 (Correction Factor)	0.3 (Actual)	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ 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 Dry 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	☑ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☑ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☑ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☑ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☑ Yes ☐ No ☐ N/A	3 Day
Sufficient Volume	☑ Yes ☐ No ☐ N/A	
Correct Containers Used	☑ Yes ☐ No ☐ N/A	
Containers Intact	☑ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☐ Yes ☐ No ☑ N/A	Preservation Information: Preservative: Lot #/Trace #: Date: Time: Initials:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐ Yes ☐ No ☑ N/A	
Headspace in VOA Vials? (>6mm):	☐ Yes ☐ No ☑ N/A	
Trip Blank Present:	☐ Yes ☑ No ☐ N/A	

Client Notification/ Resolution:
Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

June 25, 2019

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP
Pace Project No.: 35477169

Dear Mr. Dever:
Enclosed are the analytical results for sample(s) received by the laboratory on June 22, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Mr. William Mahler, APTIM-Environmental & Infrastructure, Inc.

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CERTIFICATIONS

Project: JEA SJRPP
Pace Project No.: 35477169

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
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
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
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: JEA SJRPP
Pace Project No.: 35477169

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35477169001	**MCB1A-SB1-02**	Solid	06/21/19 15:11	06/22/19 00:32
35477169002	**MCB1A-SB2-02**	Solid	06/21/19 15:06	06/22/19 00:32
35477169003	**MCB1A-SB3-02**	Solid	06/21/19 14:55	06/22/19 00:32

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP
Pace Project No.: 35477169

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35477169001	**MCB1A-SB1-02**	EPA 6010	KPP	11	PASI-O
		EPA 7471	CS2	1	PASI-O
		ASTM D2974-87	CLT	1	PASI-O
35477169002	**MCB1A-SB2-02**	EPA 6010	KPP	11	PASI-O
		EPA 7471	CS2	1	PASI-O
		ASTM D2974-87	CLT	1	PASI-O
35477169003	**MCB1A-SB3-02**	EPA 6010	KPP	11	PASI-O
		EPA 7471	CS2	1	PASI-O
		ASTM D2974-87	CLT	1	PASI-O

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SUMMARY OF DETECTION

Project: JEA SJRPP
Pace Project No.: 35477169

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35477169001	**MCB1A-SB1-02**					
EPA 6010	Barium	7.7	mg/kg	0.57	06/24/19 20:29	
EPA 6010	Chromium	2.7	mg/kg	0.29	06/24/19 20:29	
EPA 6010	Lead	3.0	mg/kg	0.57	06/24/19 20:29	
EPA 6010	Nickel	0.62	mg/kg	0.29	06/24/19 20:29	
EPA 6010	Vanadium	1.6	mg/kg	0.57	06/24/19 20:29	
EPA 7471	Mercury	0.014	mg/kg	0.011	06/24/19 20:03	
ASTM D2974-87	Percent Moisture	14.8	%	0.10	06/24/19 13:54	
35477169002	**MCB1A-SB2-02**					
EPA 6010	Barium	6.6	mg/kg	0.57	06/24/19 20:32	
EPA 6010	Chromium	4.2	mg/kg	0.28	06/24/19 20:32	
EPA 6010	Lead	3.4	mg/kg	0.57	06/24/19 20:32	
EPA 6010	Molybdenum	0.35 I	mg/kg	0.57	06/24/19 20:32	
EPA 6010	Nickel	1.3	mg/kg	0.28	06/24/19 20:32	
EPA 6010	Vanadium	2.9	mg/kg	0.57	06/24/19 20:32	
EPA 7471	Mercury	0.0087	mg/kg	0.0087	06/24/19 20:10	
ASTM D2974-87	Percent Moisture	12.6	%	0.10	06/24/19 13:54	
35477169003	**MCB1A-SB3-02**					
EPA 6010	Barium	4.1	mg/kg	0.59	06/24/19 20:36	
EPA 6010	Chromium	3.4	mg/kg	0.29	06/24/19 20:36	
EPA 6010	Lead	3.7	mg/kg	0.59	06/24/19 20:36	
EPA 6010	Molybdenum	1.7	mg/kg	0.59	06/24/19 20:36	
EPA 6010	Nickel	1.1	mg/kg	0.29	06/24/19 20:36	
EPA 6010	Vanadium	2.1	mg/kg	0.59	06/24/19 20:36	
EPA 7471	Mercury	0.013	mg/kg	0.010	06/24/19 20:12	
ASTM D2974-87	Percent Moisture	12.5	%	0.10	06/24/19 13:54	

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35477169

Sample: MCB1A-SB1-02 **Lab ID: 35477169001** Collected: 06/21/19 15:11 Received: 06/22/19 00:32 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								
Arsenic	**0.29 U**	mg/kg	0.57	0.29	1	06/24/19 08:02	06/24/19 20:29	7440-38-2	
Barium	**7.7**	mg/kg	0.57	0.29	1	06/24/19 08:02	06/24/19 20:29	7440-39-3	
Boron	**1.4 U**	mg/kg	2.9	1.4	1	06/24/19 08:02	06/24/19 20:29	7440-42-8	
Cadmium	**0.029 U**	mg/kg	0.057	0.029	1	06/24/19 08:02	06/24/19 20:29	7440-43-9	
Chromium	**2.7**	mg/kg	0.29	0.14	1	06/24/19 08:02	06/24/19 20:29	7440-47-3	
Lead	**3.0**	mg/kg	0.57	0.29	1	06/24/19 08:02	06/24/19 20:29	7439-92-1	
Molybdenum	**0.29 U**	mg/kg	0.57	0.29	1	06/24/19 08:02	06/24/19 20:29	7439-98-7	
Nickel	**0.62**	mg/kg	0.29	0.14	1	06/24/19 08:02	06/24/19 20:29	7440-02-0	
Selenium	**0.43 U**	mg/kg	0.86	0.43	1	06/24/19 08:02	06/24/19 20:29	7782-49-2	
Silver	**0.14 U**	mg/kg	0.29	0.14	1	06/24/19 08:02	06/24/19 20:29	7440-22-4	
Vanadium	**1.6**	mg/kg	0.57	0.29	1	06/24/19 08:02	06/24/19 20:29	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.014**	mg/kg	0.011	0.0055	1	06/24/19 13:58	06/24/19 20:03	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.8**	%	0.10	0.10	1		06/24/19 13:54		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35477169

Sample: MCB1A-SB2-02 **Lab ID: 35477169002** Collected: 06/21/19 15:06 Received: 06/22/19 00:32 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								
Arsenic	**0.28 U**	mg/kg	0.57	0.28	1	06/24/19 08:02	06/24/19 20:32	7440-38-2	
Barium	**6.6**	mg/kg	0.57	0.28	1	06/24/19 08:02	06/24/19 20:32	7440-39-3	
Boron	**1.4 U**	mg/kg	2.8	1.4	1	06/24/19 08:02	06/24/19 20:32	7440-42-8	
Cadmium	**0.028 U**	mg/kg	0.057	0.028	1	06/24/19 08:02	06/24/19 20:32	7440-43-9	
Chromium	**4.2**	mg/kg	0.28	0.14	1	06/24/19 08:02	06/24/19 20:32	7440-47-3	
Lead	**3.4**	mg/kg	0.57	0.28	1	06/24/19 08:02	06/24/19 20:32	7439-92-1	
Molybdenum	**0.35 I**	mg/kg	0.57	0.28	1	06/24/19 08:02	06/24/19 20:32	7439-98-7	
Nickel	**1.3**	mg/kg	0.28	0.14	1	06/24/19 08:02	06/24/19 20:32	7440-02-0	
Selenium	**0.43 U**	mg/kg	0.85	0.43	1	06/24/19 08:02	06/24/19 20:32	7782-49-2	
Silver	**0.14 U**	mg/kg	0.28	0.14	1	06/24/19 08:02	06/24/19 20:32	7440-22-4	
Vanadium	**2.9**	mg/kg	0.57	0.28	1	06/24/19 08:02	06/24/19 20:32	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0087**	mg/kg	0.0087	0.0043	1	06/24/19 13:58	06/24/19 20:10	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.6**	%	0.10	0.10	1		06/24/19 13:54		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35477169

Sample: MCB1A-SB3-02 **Lab ID: 35477169003** Collected: 06/21/19 14:55 Received: 06/22/19 00:32 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								
Arsenic	**0.29 U**	mg/kg	0.59	0.29	1	06/24/19 08:02	06/24/19 20:36	7440-38-2	
Barium	**4.1**	mg/kg	0.59	0.29	1	06/24/19 08:02	06/24/19 20:36	7440-39-3	
Boron	**1.5 U**	mg/kg	2.9	1.5	1	06/24/19 08:02	06/24/19 20:36	7440-42-8	
Cadmium	**0.029 U**	mg/kg	0.059	0.029	1	06/24/19 08:02	06/24/19 20:36	7440-43-9	
Chromium	**3.4**	mg/kg	0.29	0.15	1	06/24/19 08:02	06/24/19 20:36	7440-47-3	
Lead	**3.7**	mg/kg	0.59	0.29	1	06/24/19 08:02	06/24/19 20:36	7439-92-1	
Molybdenum	**1.7**	mg/kg	0.59	0.29	1	06/24/19 08:02	06/24/19 20:36	7439-98-7	
Nickel	**1.1**	mg/kg	0.29	0.15	1	06/24/19 08:02	06/24/19 20:36	7440-02-0	
Selenium	**0.44 U**	mg/kg	0.88	0.44	1	06/24/19 08:02	06/24/19 20:36	7782-49-2	
Silver	**0.15 U**	mg/kg	0.29	0.15	1	06/24/19 08:02	06/24/19 20:36	7440-22-4	
Vanadium	**2.1**	mg/kg	0.59	0.29	1	06/24/19 08:02	06/24/19 20:36	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.013**	mg/kg	0.010	0.0052	1	06/24/19 13:58	06/24/19 20:12	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.5**	%	0.10	0.10	1		06/24/19 13:54		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35477169

QC Batch: 548801 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 35477169001, 35477169002, 35477169003

METHOD BLANK: 2974956 Matrix: Solid
Associated Lab Samples: 35477169001, 35477169002, 35477169003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0048 U	0.0095	0.0048	06/24/19 19:38	

LABORATORY CONTROL SAMPLE: 2974957

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.091	0.086	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2974958 2974959

Parameter	Units	35476645002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.073	0.092	0.093	0.16	0.15	90	86	80-120	2	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35477169

QC Batch: 548648 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
Associated Lab Samples: 35477169001, 35477169002, 35477169003

METHOD BLANK: 2974521 Matrix: Solid
Associated Lab Samples: 35477169001, 35477169002, 35477169003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.30 U	0.60	0.30	06/24/19 19:03	
Barium	mg/kg	0.30 U	0.60	0.30	06/24/19 19:03	
Boron	mg/kg	1.5 U	3.0	1.5	06/24/19 19:03	
Cadmium	mg/kg	0.030 U	0.060	0.030	06/24/19 19:03	
Chromium	mg/kg	0.15 U	0.30	0.15	06/24/19 19:03	
Lead	mg/kg	0.30 U	0.60	0.30	06/24/19 19:03	
Molybdenum	mg/kg	0.30 U	0.60	0.30	06/24/19 19:03	
Nickel	mg/kg	0.15 U	0.30	0.15	06/24/19 19:03	
Selenium	mg/kg	0.45 U	0.89	0.45	06/24/19 19:03	
Silver	mg/kg	0.15 U	0.30	0.15	06/24/19 19:03	
Vanadium	mg/kg	0.30 U	0.60	0.30	06/24/19 19:03	

LABORATORY CONTROL SAMPLE: 2974522

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	14.7	15.4	105	80-120	
Barium	mg/kg	14.7	16.2	110	80-120	
Boron	mg/kg	73.3	74.9	102	80-120	
Cadmium	mg/kg	1.5	1.7	117	80-120	
Chromium	mg/kg	14.7	17.2	117	80-120	
Lead	mg/kg	14.7	17.4	119	80-120	
Molybdenum	mg/kg	14.7	16.8	115	80-120	
Nickel	mg/kg	14.7	17.3	118	80-120	
Selenium	mg/kg	14.7	14.5	99	80-120	
Silver	mg/kg	1.5	1.5	105	80-120	
Vanadium	mg/kg	14.7	17.0	116	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2974523 2974524

Parameter	Units	35475057001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	3.0 I	94.2	83	97.2	85.2	100	99	75-125	13	20	
Barium	mg/kg	158	94.2	83	259	242	108	102	75-125	7	20	
Boron	mg/kg	51.5	470	414	516	455	99	98	75-125	13	20	
Cadmium	mg/kg	0.93	9.3	8.1	11.8	10.7	115	118	75-125	10	20	
Chromium	mg/kg	12.1	94.2	83	121	106	116	114	75-125	13	20	
Lead	mg/kg	11.9	94.2	83	123	107	118	115	75-125	14	20	
Molybdenum	mg/kg	11.0	94.2	83	114	101	110	109	75-125	13	20	

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(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35477169

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2974523 2974524

Parameter	Units	35475057001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nickel	mg/kg	14.2	94.2	83	125	110	117	116	75-125	12	20	
Selenium	mg/kg	5.2 I	94.2	83	94.9	83.2	95	94	75-125	13	20	
Silver	mg/kg	2.7	9.3	8.1	12.4	11.4	103	104	75-125	9	20	
Vanadium	mg/kg	7.0	94.2	83	114	99.7	113	112	75-125	13	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35477169

QC Batch: 548849 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 35477169001, 35477169002, 35477169003

SAMPLE DUPLICATE: 2975151

Parameter	Units	35476359002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.4	7.8	6	10	

SAMPLE DUPLICATE: 2975152

Parameter	Units	35477169002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.6	12.5	1	10	

SAMPLE DUPLICATE: 2975153

Parameter	Units	35477193002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.3	7.5	3	10	

SAMPLE DUPLICATE: 2975154

Parameter	Units	35477090006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	6.6	5.4	19	10	J(D6)

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REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: JEA SJRPP
Pace Project No.: 35477169

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP
Pace Project No.: 35477169

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35477169001	**MCB1A-SB1-02**	EPA 3050	548648	EPA 6010	548779
35477169002	**MCB1A-SB2-02**	EPA 3050	548648	EPA 6010	548779
35477169003	**MCB1A-SB3-02**	EPA 3050	548648	EPA 6010	548779
35477169001	**MCB1A-SB1-02**	EPA 7471	548801	EPA 7471	548887
35477169002	**MCB1A-SB2-02**	EPA 7471	548801	EPA 7471	548887
35477169003	**MCB1A-SB3-02**	EPA 7471	548801	EPA 7471	548887
35477169001	**MCB1A-SB1-02**	ASTM D2974-87	548849		
35477169002	**MCB1A-SB2-02**	ASTM D2974-87	548849		
35477169003	**MCB1A-SB3-02**	ASTM D2974-87	548849		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 35477169

35477169

e Workorder Number or

JSE ONLY

Company: APTIM Environmental & Infrastructure, Inc.	Billing Information:
Address: 1228 Winter Garden Vineland Rd. Winter Garden, FL 34787	
Report To: Greg Dever	Email To: greg.dever@aptim.com
Copy To: Chuck Bursich charles.bursich@aptim.com	Site Collection Info/Address: SJRPP Metals Collection Basin 1A (1'-2' intervals)
Customer Project Name/Number: JEA SJRPP	State: FL / County/City: JAX / Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET
Phone: 407-466-6895 Email: greg.dever@aptim.com	Site/Facility ID #:
Collected By (print): Bill Woodall	Purchase Order # : Quote #:
Collected By (signature):	Turnaround Date Required: Wednesday, June 26, 2019
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [X] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

Compliance Monitoring? [ ] Yes [X] No

DW PWS ID #:
DW Location Code:

Immediately Packed on Ice: [X] Yes [ ] No

Field Filtered (if applicable): [ ] Yes [X] No

Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Container Preservative Type **

U		U		U		U	U

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Lab Project Manager:

Analyses

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	RCRA 8 Metals (6010 / 7471)	Boron (6010)	Molybdenum (6010)	Nickel (6010)	Vanadium (6010)
MCB1A-SB1-02	SL	Comp	6-21-19	1511				1	x	x	x	x	x
MCB1A-SB2-02	SL	Comp	6-21-19	1506				1	x	x	x	x	x
MCB1A-SB3-02	SL	Comp	6-21-19	1455				1	x	x	x	x	x

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: __oC
Cooler 1 Therm Corr. Factor: __oC
Cooler 1 Corrected Temp: _____oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
APTIM	6-21-19 1614	PACE	6/21/19 1614
PACE	6/21/19 1700	FLX	6/21/19 1700
FLX		JNT @ PACE	6/22/19 0030

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # WO#: 35477169

Project Manager: PM: TSR **Due Date:** 06/25/19

Client: CLIENT: SHAJAX

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

Thermometer Used: T-344 Date: 6/20/19 Time: 08:32 Initials: JMT

State of Origin: ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	3.4 (Visual)	+.1 (Correction Factor)	3.5 (Actual)	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ 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 ☐ Dry ☐ 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	☑ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☑ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☑ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☑ Yes ☐ No ☐ N/A	
Rush TAT requested on COC 3D2Y	☑ Yes ☐ No ☐ N/A	
Sufficient Volume	☑ Yes ☐ No ☐ N/A	
~~Correct Containers Used~~	~~☑ Yes ☐ No ☐ N/A~~	
Containers Intact	☑ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☐ Yes ☐ No ☑ N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐ Yes ☐ No ☑ N/A	Preservative:_____ Lot #/Trace #:_____ Date:_____ Time:_____ Initials:_____
Headspace in VOA Vials? (>6mm):	☐ Yes ☐ No ☑ N/A	
Trip Blank Present:	☐ Yes ☑ No ☐ N/A	

Client Notification/ Resolution:
Person Contacted:_____ Date/Time:_____

Comments/ Resolution (use back for additional comments):_____

Project Manager Review:_____ Date:_____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

August 25, 2020

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP
Pace Project No.: 35572597

Dear Mr. Dever:

Enclosed are the analytical results for sample(s) received by the laboratory on August 21, 2020. 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 Analytical Services - Ormond Beach

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Mr. Charles Bursich, APTIM-Environmental & Infrastructure, Inc.
Mr. Shane Yenchi, APTIM-Environmental & Infrastructure, Inc.

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Ormond Beach, FL 32174
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CERTIFICATIONS

Project: JEA SJRPP
Pace Project No.: 35572597

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
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
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

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Ormond Beach, FL 32174
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SAMPLE SUMMARY

Project: JEA SJRPP
Pace Project No.: 35572597

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35572597001	**E-MCB-W-SB-01**	Solid	08/21/20 10:30	08/21/20 12:00
35572597002	**E-MCB-M-SB-01**	Solid	08/21/20 10:45	08/21/20 12:00
35572597003	**E-MCB-W-SB-01**	Solid	08/21/20 11:00	08/21/20 12:00

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP
Pace Project No.: 35572597

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35572597001	**E-MCB-W-SB-01**	EPA 6010	CS2	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	JM2	1	PASI-O
35572597002	**E-MCB-M-SB-01**	EPA 6010	CS2	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	JM2	1	PASI-O
35572597003	**E-MCB-W-SB-01**	EPA 6010	CS2	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	JM2	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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SUMMARY OF DETECTION

Project: JEA SJRPP
Pace Project No.: 35572597

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35572597001	**E-MCB-W-SB-01**					
EPA 6010	Arsenic	37.5	mg/kg	0.57	08/24/20 21:16	
EPA 6010	Barium	60.7	mg/kg	0.57	08/24/20 21:16	
EPA 6010	Boron	3.7	mg/kg	2.9	08/24/20 21:16	
EPA 6010	Cadmium	0.30	mg/kg	0.057	08/24/20 21:16	
EPA 6010	Chromium	24.0	mg/kg	0.29	08/24/20 21:16	
EPA 6010	Lead	5.5	mg/kg	0.57	08/24/20 21:16	
EPA 6010	Molybdenum	10.9	mg/kg	0.57	08/24/20 21:16	
EPA 6010	Nickel	19.5	mg/kg	0.29	08/24/20 21:16	
EPA 6010	Selenium	69.6	mg/kg	0.86	08/24/20 21:16	
EPA 6010	Vanadium	134	mg/kg	2.9	08/25/20 12:34	
EPA 7471	Mercury	0.028	mg/kg	0.012	08/25/20 08:34	
ASTM D2974-87	Percent Moisture	15.1	%	0.10	08/24/20 12:56	
35572597002	**E-MCB-M-SB-01**					
EPA 6010	Arsenic	6.6	mg/kg	0.58	08/24/20 21:19	
EPA 6010	Barium	11.5	mg/kg	0.58	08/24/20 21:19	
EPA 6010	Boron	1.9 I	mg/kg	2.9	08/24/20 21:19	
EPA 6010	Cadmium	0.094	mg/kg	0.058	08/24/20 21:19	
EPA 6010	Chromium	7.2	mg/kg	0.29	08/24/20 21:19	
EPA 6010	Lead	2.7	mg/kg	0.58	08/24/20 21:19	
EPA 6010	Molybdenum	2.2	mg/kg	0.58	08/24/20 21:19	
EPA 6010	Nickel	5.2	mg/kg	0.29	08/24/20 21:19	
EPA 6010	Selenium	11.9	mg/kg	0.87	08/24/20 21:19	
EPA 6010	Vanadium	40.4	mg/kg	0.58	08/24/20 21:19	
EPA 7471	Mercury	0.030	mg/kg	0.010	08/25/20 08:46	
ASTM D2974-87	Percent Moisture	7.8	%	0.10	08/24/20 12:56	
35572597003	**E-MCB-W-SB-01**					
EPA 6010	Arsenic	1.2	mg/kg	0.67	08/24/20 21:22	
EPA 6010	Barium	4.7	mg/kg	0.67	08/24/20 21:22	
EPA 6010	Chromium	2.8	mg/kg	0.33	08/24/20 21:22	
EPA 6010	Lead	2.3	mg/kg	0.67	08/24/20 21:22	
EPA 6010	Molybdenum	0.38 I	mg/kg	0.67	08/24/20 21:22	
EPA 6010	Nickel	1.1	mg/kg	0.33	08/24/20 21:22	
EPA 6010	Selenium	0.96 I	mg/kg	1.0	08/24/20 21:22	
EPA 6010	Vanadium	3.8	mg/kg	0.67	08/24/20 21:22	
EPA 7471	Mercury	0.017	mg/kg	0.011	08/25/20 08:48	
ASTM D2974-87	Percent Moisture	11.5	%	0.10	08/24/20 12:56	

REPORT OF LABORATORY ANALYSIS

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(386)672-5668

ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35572597

Sample: E-MCB-W-SB-01 **Lab ID: 35572597001** Collected: 08/21/20 10:30 Received: 08/21/20 12:00 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	**37.5**	mg/kg	0.57	0.29	1	08/24/20 04:43	08/24/20 21:16	7440-38-2	
Barium	**60.7**	mg/kg	0.57	0.29	1	08/24/20 04:43	08/24/20 21:16	7440-39-3	
Boron	**3.7**	mg/kg	2.9	1.4	1	08/24/20 04:43	08/24/20 21:16	7440-42-8	
Cadmium	**0.30**	mg/kg	0.057	0.029	1	08/24/20 04:43	08/24/20 21:16	7440-43-9	
Chromium	**24.0**	mg/kg	0.29	0.14	1	08/24/20 04:43	08/24/20 21:16	7440-47-3	
Lead	**5.5**	mg/kg	0.57	0.29	1	08/24/20 04:43	08/24/20 21:16	7439-92-1	
Molybdenum	**10.9**	mg/kg	0.57	0.29	1	08/24/20 04:43	08/24/20 21:16	7439-98-7	
Nickel	**19.5**	mg/kg	0.29	0.14	1	08/24/20 04:43	08/24/20 21:16	7440-02-0	
Selenium	**69.6**	mg/kg	0.86	0.43	1	08/24/20 04:43	08/24/20 21:16	7782-49-2	
Silver	**0.14 U**	mg/kg	0.29	0.14	1	08/24/20 04:43	08/24/20 21:16	7440-22-4	
Vanadium	**134**	mg/kg	2.9	1.4	5	08/24/20 04:43	08/25/20 12:34	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.028**	mg/kg	0.012	0.0058	1	08/24/20 11:41	08/25/20 08:34	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**15.1**	%	0.10	0.10	1		08/24/20 12:56		

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35572597

Sample: E-MCB-M-SB-01 **Lab ID: 35572597002** Collected: 08/21/20 10:45 Received: 08/21/20 12:00 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	**6.6**	mg/kg	0.58	0.29	1	08/24/20 04:43	08/24/20 21:19	7440-38-2	
Barium	**11.5**	mg/kg	0.58	0.29	1	08/24/20 04:43	08/24/20 21:19	7440-39-3	
Boron	**1.9**	mg/kg	2.9	1.5	1	08/24/20 04:43	08/24/20 21:19	7440-42-8	I
Cadmium	**0.094**	mg/kg	0.058	0.029	1	08/24/20 04:43	08/24/20 21:19	7440-43-9	
Chromium	**7.2**	mg/kg	0.29	0.15	1	08/24/20 04:43	08/24/20 21:19	7440-47-3	
Lead	**2.7**	mg/kg	0.58	0.29	1	08/24/20 04:43	08/24/20 21:19	7439-92-1	
Molybdenum	**2.2**	mg/kg	0.58	0.29	1	08/24/20 04:43	08/24/20 21:19	7439-98-7	
Nickel	**5.2**	mg/kg	0.29	0.15	1	08/24/20 04:43	08/24/20 21:19	7440-02-0	
Selenium	**11.9**	mg/kg	0.87	0.44	1	08/24/20 04:43	08/24/20 21:19	7782-49-2	
Silver	**0.15**	mg/kg	0.29	0.15	1	08/24/20 04:43	08/24/20 21:19	7440-22-4	U
Vanadium	**40.4**	mg/kg	0.58	0.29	1	08/24/20 04:43	08/24/20 21:19	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.030**	mg/kg	0.010	0.0052	1	08/24/20 11:41	08/25/20 08:46	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**7.8**	%	0.10	0.10	1		08/24/20 12:56		

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35572597

Sample: E-MCB-W-SB-01 **Lab ID: 35572597003** Collected: 08/21/20 11:00 Received: 08/21/20 12:00 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	**1.2**	mg/kg	0.67	0.33	1	08/24/20 04:43	08/24/20 21:22	7440-38-2	
Barium	**4.7**	mg/kg	0.67	0.33	1	08/24/20 04:43	08/24/20 21:22	7440-39-3	
Boron	**1.7 U**	mg/kg	3.3	1.7	1	08/24/20 04:43	08/24/20 21:22	7440-42-8	
Cadmium	**0.033 U**	mg/kg	0.067	0.033	1	08/24/20 04:43	08/24/20 21:22	7440-43-9	
Chromium	**2.8**	mg/kg	0.33	0.17	1	08/24/20 04:43	08/24/20 21:22	7440-47-3	
Lead	**2.3**	mg/kg	0.67	0.33	1	08/24/20 04:43	08/24/20 21:22	7439-92-1	
Molybdenum	**0.38 I**	mg/kg	0.67	0.33	1	08/24/20 04:43	08/24/20 21:22	7439-98-7	
Nickel	**1.1**	mg/kg	0.33	0.17	1	08/24/20 04:43	08/24/20 21:22	7440-02-0	
Selenium	**0.96 I**	mg/kg	1.0	0.50	1	08/24/20 04:43	08/24/20 21:22	7782-49-2	
Silver	**0.17 U**	mg/kg	0.33	0.17	1	08/24/20 04:43	08/24/20 21:22	7440-22-4	
Vanadium	**3.8**	mg/kg	0.67	0.33	1	08/24/20 04:43	08/24/20 21:22	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.017**	mg/kg	0.011	0.0054	1	08/24/20 11:41	08/25/20 08:48	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**11.5**	%	0.10	0.10	1		08/24/20 12:56		

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35572597

QC Batch: 659612
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35572597001, 35572597002, 35572597003

METHOD BLANK: 3587816 Matrix: Solid
Associated Lab Samples: 35572597001, 35572597002, 35572597003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0049 U	0.0099	0.0049	08/25/20 08:30	

LABORATORY CONTROL SAMPLE: 3587817

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.096	0.095	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3587818 3587819

Parameter	Units	35572597001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.028	0.12	0.1	0.14	0.13	98	101	80-120	8	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35572597

QC Batch: 659602
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET Solid
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35572597001, 35572597002, 35572597003

METHOD BLANK: 3587798 Matrix: Solid
Associated Lab Samples: 35572597001, 35572597002, 35572597003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.28 U	0.56	0.28	08/24/20 19:47	
Barium	mg/kg	0.28 U	0.56	0.28	08/24/20 19:47	
Boron	mg/kg	1.4 U	2.8	1.4	08/24/20 19:47	
Cadmium	mg/kg	0.028 U	0.056	0.028	08/24/20 19:47	
Chromium	mg/kg	0.14 U	0.28	0.14	08/24/20 19:47	
Lead	mg/kg	0.28 U	0.56	0.28	08/24/20 19:47	
Molybdenum	mg/kg	0.28 U	0.56	0.28	08/24/20 19:47	
Nickel	mg/kg	0.14 U	0.28	0.14	08/24/20 19:47	
Selenium	mg/kg	0.42 U	0.84	0.42	08/24/20 19:47	
Silver	mg/kg	0.14 U	0.28	0.14	08/24/20 19:47	
Vanadium	mg/kg	0.28 U	0.56	0.28	08/24/20 19:47	

LABORATORY CONTROL SAMPLE: 3587799

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	15.1	16.2	107	80-120	
Barium	mg/kg	15.1	17.6	116	80-120	
Boron	mg/kg	75.7	81.3	107	80-120	
Cadmium	mg/kg	1.5	1.7	114	80-120	
Chromium	mg/kg	15.1	17.8	118	80-120	
Lead	mg/kg	15.1	17.5	116	80-120	
Molybdenum	mg/kg	15.1	15.3	101	80-120	
Nickel	mg/kg	15.1	17.6	116	80-120	
Selenium	mg/kg	15.1	14.9	98	80-120	
Silver	mg/kg	1.5	1.7	110	80-120	
Vanadium	mg/kg	15.1	17.5	115	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3587800 3587801

Parameter	Units	35570447021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	1.5	14.3	14.5	16.8	17.0	107	107	75-125	1	20	
Barium	mg/kg	14.7	14.3	14.5	34.2	32.3	136	121	75-125	6	20	J(M1)
Boron	mg/kg	2.8	71.6	72.7	76.6	81.0	103	108	75-125	6	20	
Cadmium	mg/kg	0.16	1.4	1.5	1.6	1.6	99	101	75-125	3	20	
Chromium	mg/kg	8.5	14.3	14.5	27.3	25.2	132	115	75-125	8	20	J(M1)

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35572597

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3587800 3587801

Parameter	Units	35570447021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	9.9	14.3	14.5	30.9	25.0	147	104	75-125	21	20	J(M1), J(R1)
Molybdenum	mg/kg	0.88	14.3	14.5	13.7	14.0	90	90	75-125	2	20	
Nickel	mg/kg	2.0	14.3	14.5	19.8	17.2	124	104	75-125	14	20	
Selenium	mg/kg	0.62 I	14.3	14.5	14.0	14.3	94	94	75-125	2	20	
Silver	mg/kg	0.12 U	1.4	1.5	1.9	1.7	131	120	75-125	7	20	J(M1)
Vanadium	mg/kg	6.9	14.3	14.5	22.9	23.1	112	112	75-125	1	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35572597

QC Batch: 659678
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35572597001, 35572597002, 35572597003

SAMPLE DUPLICATE: 3588020

Parameter	Units	35570447001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.2	17.8	4	10	

SAMPLE DUPLICATE: 3588021

Parameter	Units	35571488006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	3.9	4.1	7	10	

SAMPLE DUPLICATE: 3588022

Parameter	Units	35571512013 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	11.7	10.5	11	10	J(D6)

SAMPLE DUPLICATE: 3588023

Parameter	Units	35571876005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.5	17.6	0	10	

SAMPLE DUPLICATE: 3588024

Parameter	Units	35571640005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.8	5.3	10	10	

SAMPLE DUPLICATE: 3588025

Parameter	Units	35572555004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.9	21.5	6	10	

SAMPLE DUPLICATE: 3588026

Parameter	Units	35572309001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	11.1	12.8	14	10	J(D6)

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QUALIFIERS

Project: JEA SJRPP
Pace Project No.: 35572597

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(R1)	Estimated Value. RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP
Pace Project No.: 35572597

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35572597001	**E-MCB-W-SB-01**	EPA 3050	659602	EPA 6010	659677
35572597002	**E-MCB-M-SB-01**	EPA 3050	659602	EPA 6010	659677
35572597003	**E-MCB-W-SB-01**	EPA 3050	659602	EPA 6010	659677
35572597001	**E-MCB-W-SB-01**	EPA 7471	659612	EPA 7471	659787
35572597002	**E-MCB-M-SB-01**	EPA 7471	659612	EPA 7471	659787
35572597003	**E-MCB-W-SB-01**	EPA 7471	659612	EPA 7471	659787
35572597001	**E-MCB-W-SB-01**	ASTM D2974-87	659678		
35572597002	**E-MCB-M-SB-01**	ASTM D2974-87	659678		
35572597003	**E-MCB-W-SB-01**	ASTM D2974-87	659678		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 35572597

35572597

t Pace Workorder Number or

AB USE ONLY

Company: APTIM Environmental & Infrastructure, Inc.	Billing Information: P-Card
Address: 1228 Winter Garden Vineland Rd. Winter Garden, FL 34787	
Report To: Greg Dever	Email To: greg.dever@aptim.com
Copy To: shane Yenchi shane.yenchi@aptim.com	Site Collection Info/Address: Coal Yadr Ditch
Customer Project Name/Number: JEA SJRPP	State: FL / County/City: JAX / Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET
Phone: 407-466-6895 Email: greg.dever@aptim.com	Site/Facility ID #:
Collected By (print): Roger Grenville	Purchase Order # : Quote #:
Collected By (signature): Roger Grenville	Turnaround Date Required:
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [✓] 2 Day [X] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

Compliance Monitoring? [ ] Yes [X] No

DW PWS ID #:

DW Location Code:

Immediately Packed on Ice: [X] Yes [ ] No

Field Filtered (if applicable): [ ] Yes [X] No

Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: RCRA 8 Metals (6010 / 7471)	Boron (6010)	Molybdenum (6010)	Nickel (6010)	Vanadium (6010)	Lab Profile/Line:
								U	U	U	U	U	U	
E-MCB-W-SB-01	SL	G	8/21	10:30				1	✓	✓	✓	✓	✓	
E-MCB-M-SB-01	SL	G	8/21	10:45				1	✓	✓	✓	✓	✓	
E-MCB-W-SB-01	SL	G	8/21	11:00				1	✓	✓	✓	✓	✓	

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

12230-1

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours) : Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: __oC
Cooler 1 Therm Corr. Factor: __oC
Cooler 1 Corrected Temp: _____oC
Comments:

Relinquished by/Company: (Signature) T. Washington	Date/Time: 8/21/20 1200	Received by/Company: (Signature)	Date/Time: 8/21/20 1200
Relinquished by/Company: (Signature)	Date/Time: 8/21/20 1700	Received by/Company: (Signature) FLX	Date/Time: 8/21/20 1700
Relinquished by/Company: (Signature) FLX	Date/Time:	Received by/Company: (Signature) TRB/Pace	Date/Time: 8/22/20 2340

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # WO# : 35572597

Project Manager: PM: TSR **Due Date:** 08/28/20

Client: CLIENT: SHAJAX

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

Thermometer Used: T-349 Date: 8/21/20 Time: 2349 Initials: JMT

State of Origin: ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	3.4 (Visual)	-.01 (Correction Factor)	3.3 (Actual)	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ 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 ☐ Dry ☐ 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	☑ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☑ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☑ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☑ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☑ Yes ☐ No ☐ N/A TRB	2 Day
Sufficient Volume	☑ Yes ☐ No ☐ N/A	
Correct Containers Used	☑ Yes ☐ No ☐ N/A	
Containers Intact	☑ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☐ Yes ☐ No ☑ N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐ Yes ☐ No ☑ N/A	Preservative: Lot #/Trace #: Date: Time: Initials:
Headspace in VOA Vials? (>6mm):	☐ Yes ☐ No ☑ N/A	
Trip Blank Present:	☐ Yes ☐ No ☑ N/A	

Client Notification/ Resolution:
Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

August 28, 2020

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP
Pace Project No.: 35573546

Dear Mr. Dever:

Enclosed are the analytical results for sample(s) received by the laboratory on August 26, 2020. 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 Analytical Services - Ormond Beach

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Mr. Charles Bursich, APTIM-Environmental & Infrastructure, Inc.
Mr. Shane Yenchi, APTIM-Environmental & Infrastructure, Inc.

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CERTIFICATIONS

Project: JEA SJRPP
Pace Project No.: 35573546

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
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
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

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SAMPLE SUMMARY

Project: JEA SJRPP
Pace Project No.: 35573546

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35573546001	**E-MCB-W-SB-03**	Solid	08/26/20 08:00	08/26/20 23:45
35573546002	**E-MCB-M-SB-03**	Solid	08/26/20 08:15	08/26/20 23:45

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP
Pace Project No.: 35573546

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35573546001	**E-MCB-W-SB-03**	EPA 6010	CS2	3	PASI-O
		ASTM D2974-87	JM2	1	PASI-O
35573546002	**E-MCB-M-SB-03**	EPA 6010	CS2	2	PASI-O
		ASTM D2974-87	JM2	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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SUMMARY OF DETECTION

Project: JEA SJRPP
Pace Project No.: 35573546

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35573546001	**E-MCB-W-SB-03**					
EPA 6010	Arsenic	0.39 I	mg/kg	0.68	08/27/20 21:20	
EPA 6010	Vanadium	2.9	mg/kg	0.68	08/27/20 21:20	
ASTM D2974-87	Percent Moisture	11.6	%	0.10	08/27/20 15:46	
35573546002	**E-MCB-M-SB-03**					
ASTM D2974-87	Percent Moisture	12.9	%	0.10	08/27/20 15:46	

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35573546

Sample: E-MCB-W-SB-03 **Lab ID: 35573546001** Collected: 08/26/20 08:00 Received: 08/26/20 23:45 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	**0.39 I**	mg/kg	0.68	0.34	1	08/27/20 15:51	08/27/20 21:20	7440-38-2	
Selenium	**0.51 U**	mg/kg	1.0	0.51	1	08/27/20 15:51	08/27/20 21:20	7782-49-2	
Vanadium	**2.9**	mg/kg	0.68	0.34	1	08/27/20 15:51	08/27/20 21:20	7440-62-2	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**11.6**	%	0.10	0.10	1		08/27/20 15:46		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35573546

Sample: E-MCB-M-SB-03 **Lab ID: 35573546002** Collected: 08/26/20 08:15 Received: 08/26/20 23:45 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	**0.32 U**	mg/kg	0.63	0.32	1	08/27/20 15:51	08/27/20 21:23	7440-38-2	
Selenium	**0.47 U**	mg/kg	0.95	0.47	1	08/27/20 15:51	08/27/20 21:23	7782-49-2	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**12.9**	%	0.10	0.10	1		08/27/20 15:46		

REPORT OF LABORATORY ANALYSIS

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(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35573546

QC Batch: 660946
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET Solid
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35573546001, 35573546002

METHOD BLANK: 3593845 Matrix: Solid
Associated Lab Samples: 35573546001, 35573546002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.31 U	0.61	0.31	08/27/20 20:26	
Selenium	mg/kg	0.46 U	0.92	0.46	08/27/20 20:26	
Vanadium	mg/kg	0.31 U	0.61	0.31	08/27/20 20:26	

LABORATORY CONTROL SAMPLE: 3593846

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	13.5	13.7	102	80-120	
Selenium	mg/kg	13.5	12.5	93	80-120	
Vanadium	mg/kg	13.5	14.8	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3593847 3593848

Parameter	Units	35572105002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	1.5	13.4	15.1	9.0	11.9	56	69	75-125	27	20	J(M1), J(R1)
Selenium	mg/kg	0.44 U	13.4	15.1	8.3	10.7	60	69	75-125	25	20	J(M1), J(R1)
Vanadium	mg/kg	151	13.4	15.1	205	194	399	284	75-125	5	20	J(M1), L

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

REPORT OF LABORATORY ANALYSIS

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(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35573546

QC Batch: 660942
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35573546001, 35573546002

SAMPLE DUPLICATE: 3593822

Parameter	Units	35572477001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	3.5	2.9	20	10	J(D6)

SAMPLE DUPLICATE: 3593823

Parameter	Units	35572639007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	20.7	19.0	8	10	

SAMPLE DUPLICATE: 3593824

Parameter	Units	35572640008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	23.2	23.2	0	10	

SAMPLE DUPLICATE: 3593825

Parameter	Units	35572640017 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.8	23.8	4	10	

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

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: JEA SJRPP
Pace Project No.: 35573546

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(R1)	Estimated Value. RPD value was outside control limits.
L	Off-scale high. Actual value is known to be greater than value given.

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP
Pace Project No.: 35573546

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35573546001	**E-MCB-W-SB-03**	EPA 3050	660946	EPA 6010	661041
35573546002	**E-MCB-M-SB-03**	EPA 3050	660946	EPA 6010	661041
35573546001	**E-MCB-W-SB-03**	ASTM D2974-87	660942		
35573546002	**E-MCB-M-SB-03**	ASTM D2974-87	660942		

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CHAIN-OF-CUSTODY Analytical Request Doc

Pace Analytical®

WO# : 35573546

35573546

...abel Here or List Pace Workorder Number or ...n Number Here

...are for LAB USE ONLY

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relever

Company: APTIM Environmental & Infrastructure, Inc.	Billing Information: P-Card
Address: 1228 Winter Garden Vineland Rd. Winter Garden, FL 34787	
Report To: Greg Dever	Email To: greg.dever@aptim.com
Copy To: shane Yenchi shane.yenchi@aptim.com	Site Collection Info/Address: East EQ Basin
Customer Project Name/Number: JEA SJRPP	State: FL / County/City: JAX / Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET
Phone: 407-466-6895 Email: greg.dever@aptim.com	Site/Facility ID #:
Collected By (print): Roger Grenville	Purchase Order # : P-Card Quote #:
Collected By (signature):	Turnaround Date Required: RUSH
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: DUE 8/27/20 [ ] Same Day [X] Next Day ~~[X] 2 Day~~ [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) TR 8/26/20

Compliance Monitoring? [ ] Yes [X] No	
DW PWS ID #: DW Location Code:	
Immediately Packed on Ice: [X] Yes [ ] No	
Field Filtered (if applicable): [ ] Yes [X] No	
Analysis: _____	

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Container Preservative Type **

	U		U		U		U		U

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Lab Project Manager:

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: Arsenic (6010)	Vanadium (6010)	Selenium (6010)	Lab Profile/Line:
E-MCB-W-SB-03	Soil	Comp	8/26/20	8:00	N/A	N/A		1	X	X	X	LINE #4
E-MCB-M-SB-03	Soil	Comp	8/26/20	8:15	N/A	N/A		1	X	X	X	LINE #5

NO V ON THIS SAMPLE

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible

PROFILE 12230-4,5

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: ___oC
Cooler 1 Therm Corr. Factor: ___oC
Cooler 1 Corrected Temp: ___oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
APTIM	8/26/20 14:12	Aptim	8/26/20 14:12
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
		TMAT Pace	8/26/20 2345
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Pace Analytical	Document Name: Sample Condition Upon Receipt Form Document No.:	Document Revised: May 30, 2018 Issuing Authority: Pace Florida Quality Office

WO# : 35573546
PM: TSR Due Date: 08/28/20
CLIENT: SHAJAX

(SCUR)

Project #
Project Manager:
Client:

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

Thermometer Used: T-338 Date: 8/26/20 Time: 235 Initials: JMT

State of Origin:

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

Cooler #1 Temp.°C	4.3 **(Visual)**	4.3 **(Correction Factor)**	4.6 **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ 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 Dry 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	☑Yes ☐ No ☐N/A	
Chain of Custody Filled Out	☑Yes ☐ No ☐N/A	
Relinquished Signature & Sampler Name COC	☑Yes ☐ No ☐N/A	
Samples Arrived within Hold Time	☑Yes ☐ No ☐N/A	
Rush TAT requested on COC	☑Yes ☐ No ☐N/A	DUE 8/27/20
Sufficient Volume	☑Yes ☐ No ☐N/A	
Correct Containers Used	☑Yes ☐ No ☐N/A	
Containers Intact	☑Yes ☐ No ☐N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑Yes ☐ No ☐N/A	
All containers needing acid/base preservation have been checked. All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐Yes ☐ No ☑N/A ☐Yes ☐ No ☑N/A	Preservation Information: Preservative:_____ Lot #/Trace #:_____ Date:_____ Time:_____ Initials:_____
Headspace in VOA Vials? (>6mm):	☐Yes ☐ No ☑N/A	
Trip Blank Present:	☐Yes ☐ No ☑N/A	

Client Notification/ Resolution:
Person Contacted:_____ Date/Time:_____

Comments/ Resolution (use back for additional comments):_____

Project Manager Review:_____ Date:_____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

June 29, 2020

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP
Pace Project No.: 35558977

Dear Mr. Dever:

Enclosed are the analytical results for sample(s) received by the laboratory on June 25, 2020. 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 Analytical Services - Ormond Beach

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Ms. Maryann Hooper, APTIM-Environmental & Infrastructure, Inc.
Mr. William Mahler, APTIM-Environmental & Infrastructure, Inc.

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CERTIFICATIONS

Project: JEA SJRPP
Pace Project No.: 35558977

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
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
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

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Ormond Beach, FL 32174
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SAMPLE SUMMARY

Project: JEA SJRPP
Pace Project No.: 35558977

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35558977001	**NCP-NW-W-SB-0-1**	Solid	06/24/20 13:25	06/25/20 17:00
35558977002	**NCP-SW-W-SB-0-1**	Solid	06/24/20 13:50	06/25/20 17:00
35558977003	**NCP-SW-E-SB-0-1**	Solid	06/24/20 14:15	06/25/20 17:00
35558977004	**NCP-NW-E-SB-0-1**	Solid	06/24/20 14:40	06/25/20 17:00

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP
Pace Project No.: 35558977

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35558977001	**NCP-NW-W-SB-0-1**	EPA 6010	KPP	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	JM2	1	PASI-O
35558977002	**NCP-SW-W-SB-0-1**	EPA 6010	KPP	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	JM2	1	PASI-O
35558977003	**NCP-SW-E-SB-0-1**	EPA 6010	KPP	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	JM2	1	PASI-O
35558977004	**NCP-NW-E-SB-0-1**	EPA 6010	KPP	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	JM2	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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Ormond Beach, FL 32174
(386)672-5668

SUMMARY OF DETECTION

Project: JEA SJRPP
Pace Project No.: 35558977

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35558977001	**NCP-NW-W-SB-0-1**					
EPA 6010	Arsenic	0.49 I	mg/kg	0.58	06/27/20 14:34	
EPA 6010	Barium	9.7	mg/kg	0.58	06/27/20 14:34	
EPA 6010	Boron	1.8 I	mg/kg	2.9	06/27/20 14:34	
EPA 6010	Cadmium	0.070	mg/kg	0.058	06/27/20 14:34	
EPA 6010	Chromium	2.9	mg/kg	0.29	06/27/20 14:34	
EPA 6010	Lead	2.1	mg/kg	0.58	06/27/20 14:34	
EPA 6010	Molybdenum	2.0	mg/kg	0.58	06/27/20 14:34	
EPA 6010	Nickel	4.1	mg/kg	0.29	06/27/20 14:34	
EPA 6010	Selenium	5.1	mg/kg	0.87	06/27/20 14:34	
EPA 6010	Vanadium	9.6	mg/kg	0.58	06/27/20 14:34	
EPA 7471	Mercury	0.021	mg/kg	0.011	06/29/20 08:58	
ASTM D2974-87	Percent Moisture	12.9	%	0.10	06/26/20 09:13	
35558977002	**NCP-SW-W-SB-0-1**					
EPA 6010	Barium	5.4	mg/kg	0.58	06/27/20 14:37	
EPA 6010	Chromium	1.5	mg/kg	0.29	06/27/20 14:37	
EPA 6010	Lead	1.5	mg/kg	0.58	06/27/20 14:37	
EPA 6010	Nickel	0.57	mg/kg	0.29	06/27/20 14:37	
EPA 6010	Vanadium	1.3	mg/kg	0.58	06/27/20 14:37	
ASTM D2974-87	Percent Moisture	12.2	%	0.10	06/26/20 09:13	
35558977003	**NCP-SW-E-SB-0-1**					
EPA 6010	Barium	5.2	mg/kg	0.59	06/27/20 14:40	
EPA 6010	Chromium	1.8	mg/kg	0.30	06/27/20 14:40	
EPA 6010	Lead	1.7	mg/kg	0.59	06/27/20 14:40	
EPA 6010	Molybdenum	0.35 I	mg/kg	0.59	06/27/20 14:40	
EPA 6010	Nickel	1.0	mg/kg	0.30	06/27/20 14:40	
EPA 6010	Selenium	0.83 I	mg/kg	0.89	06/27/20 14:40	
EPA 6010	Vanadium	2.3	mg/kg	0.59	06/27/20 14:40	
EPA 7471	Mercury	0.0079 I	mg/kg	0.011	06/29/20 09:12	
ASTM D2974-87	Percent Moisture	12.6	%	0.10	06/26/20 09:14	
35558977004	**NCP-NW-E-SB-0-1**					
EPA 6010	Barium	7.2	mg/kg	0.57	06/27/20 14:43	
EPA 6010	Chromium	3.1	mg/kg	0.28	06/27/20 14:43	
EPA 6010	Lead	2.0	mg/kg	0.57	06/27/20 14:43	
EPA 6010	Molybdenum	0.47 I	mg/kg	0.57	06/27/20 14:43	
EPA 6010	Nickel	1.4	mg/kg	0.28	06/27/20 14:43	
EPA 6010	Selenium	1.3	mg/kg	0.85	06/27/20 14:43	
EPA 6010	Vanadium	3.7	mg/kg	0.57	06/27/20 14:43	
EPA 7471	Mercury	0.0082 I	mg/kg	0.010	06/29/20 09:14	
ASTM D2974-87	Percent Moisture	12.0	%	0.10	06/26/20 09:14	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35558977

Sample: NCP-NW-W-SB-0-1 **Lab ID: 35558977001** Collected: 06/24/20 13:25 Received: 06/25/20 17:00 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	**0.49 I**	mg/kg	0.58	0.29	1	06/27/20 01:50	06/27/20 14:34	7440-38-2	
Barium	**9.7**	mg/kg	0.58	0.29	1	06/27/20 01:50	06/27/20 14:34	7440-39-3	
Boron	**1.8 I**	mg/kg	2.9	1.4	1	06/27/20 01:50	06/27/20 14:34	7440-42-8	
Cadmium	**0.070**	mg/kg	0.058	0.029	1	06/27/20 01:50	06/27/20 14:34	7440-43-9	
Chromium	**2.9**	mg/kg	0.29	0.14	1	06/27/20 01:50	06/27/20 14:34	7440-47-3	
Lead	**2.1**	mg/kg	0.58	0.29	1	06/27/20 01:50	06/27/20 14:34	7439-92-1	
Molybdenum	**2.0**	mg/kg	0.58	0.29	1	06/27/20 01:50	06/27/20 14:34	7439-98-7	
Nickel	**4.1**	mg/kg	0.29	0.14	1	06/27/20 01:50	06/27/20 14:34	7440-02-0	
Selenium	**5.1**	mg/kg	0.87	0.43	1	06/27/20 01:50	06/27/20 14:34	7782-49-2	
Silver	**0.14 U**	mg/kg	0.29	0.14	1	06/27/20 01:50	06/27/20 14:34	7440-22-4	
Vanadium	**9.6**	mg/kg	0.58	0.29	1	06/27/20 01:50	06/27/20 14:34	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.021**	mg/kg	0.011	0.0057	1	06/27/20 09:52	06/29/20 08:58	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**12.9**	%	0.10	0.10	1		06/26/20 09:13		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35558977

Sample: NCP-SW-W-SB-0-1 **Lab ID: 35558977002** Collected: 06/24/20 13:50 Received: 06/25/20 17:00 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	**0.29 U**	mg/kg	0.58	0.29	1	06/27/20 01:50	06/27/20 14:37	7440-38-2	
Barium	**5.4**	mg/kg	0.58	0.29	1	06/27/20 01:50	06/27/20 14:37	7440-39-3	
Boron	**1.4 U**	mg/kg	2.9	1.4	1	06/27/20 01:50	06/27/20 14:37	7440-42-8	
Cadmium	**0.029 U**	mg/kg	0.058	0.029	1	06/27/20 01:50	06/27/20 14:37	7440-43-9	
Chromium	**1.5**	mg/kg	0.29	0.14	1	06/27/20 01:50	06/27/20 14:37	7440-47-3	
Lead	**1.5**	mg/kg	0.58	0.29	1	06/27/20 01:50	06/27/20 14:37	7439-92-1	
Molybdenum	**0.29 U**	mg/kg	0.58	0.29	1	06/27/20 01:50	06/27/20 14:37	7439-98-7	
Nickel	**0.57**	mg/kg	0.29	0.14	1	06/27/20 01:50	06/27/20 14:37	7440-02-0	
Selenium	**0.43 U**	mg/kg	0.86	0.43	1	06/27/20 01:50	06/27/20 14:37	7782-49-2	
Silver	**0.14 U**	mg/kg	0.29	0.14	1	06/27/20 01:50	06/27/20 14:37	7440-22-4	
Vanadium	**1.3**	mg/kg	0.58	0.29	1	06/27/20 01:50	06/27/20 14:37	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.0054 U**	mg/kg	0.011	0.0054	1	06/27/20 09:52	06/29/20 09:10	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**12.2**	%	0.10	0.10	1		06/26/20 09:13		

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35558977

Sample: NCP-SW-E-SB-0-1 **Lab ID: 35558977003** Collected: 06/24/20 14:15 Received: 06/25/20 17:00 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	**0.30 U**	mg/kg	0.59	0.30	1	06/27/20 01:50	06/27/20 14:40	7440-38-2	
Barium	**5.2**	mg/kg	0.59	0.30	1	06/27/20 01:50	06/27/20 14:40	7440-39-3	
Boron	**1.5 U**	mg/kg	3.0	1.5	1	06/27/20 01:50	06/27/20 14:40	7440-42-8	
Cadmium	**0.030 U**	mg/kg	0.059	0.030	1	06/27/20 01:50	06/27/20 14:40	7440-43-9	
Chromium	**1.8**	mg/kg	0.30	0.15	1	06/27/20 01:50	06/27/20 14:40	7440-47-3	
Lead	**1.7**	mg/kg	0.59	0.30	1	06/27/20 01:50	06/27/20 14:40	7439-92-1	
Molybdenum	**0.35 I**	mg/kg	0.59	0.30	1	06/27/20 01:50	06/27/20 14:40	7439-98-7	
Nickel	**1.0**	mg/kg	0.30	0.15	1	06/27/20 01:50	06/27/20 14:40	7440-02-0	
Selenium	**0.83 I**	mg/kg	0.89	0.45	1	06/27/20 01:50	06/27/20 14:40	7782-49-2	
Silver	**0.15 U**	mg/kg	0.30	0.15	1	06/27/20 01:50	06/27/20 14:40	7440-22-4	
Vanadium	**2.3**	mg/kg	0.59	0.30	1	06/27/20 01:50	06/27/20 14:40	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.0079 I**	mg/kg	0.011	0.0056	1	06/27/20 09:52	06/29/20 09:12	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**12.6**	%	0.10	0.10	1		06/26/20 09:14		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35558977

Sample: NCP-NW-E-SB-0-1 **Lab ID: 35558977004** Collected: 06/24/20 14:40 Received: 06/25/20 17:00 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	**0.28 U**	mg/kg	0.57	0.28	1	06/27/20 01:50	06/27/20 14:43	7440-38-2	
Barium	**7.2**	mg/kg	0.57	0.28	1	06/27/20 01:50	06/27/20 14:43	7440-39-3	
Boron	**1.4 U**	mg/kg	2.8	1.4	1	06/27/20 01:50	06/27/20 14:43	7440-42-8	
Cadmium	**0.028 U**	mg/kg	0.057	0.028	1	06/27/20 01:50	06/27/20 14:43	7440-43-9	
Chromium	**3.1**	mg/kg	0.28	0.14	1	06/27/20 01:50	06/27/20 14:43	7440-47-3	
Lead	**2.0**	mg/kg	0.57	0.28	1	06/27/20 01:50	06/27/20 14:43	7439-92-1	
Molybdenum	**0.47 I**	mg/kg	0.57	0.28	1	06/27/20 01:50	06/27/20 14:43	7439-98-7	
Nickel	**1.4**	mg/kg	0.28	0.14	1	06/27/20 01:50	06/27/20 14:43	7440-02-0	
Selenium	**1.3**	mg/kg	0.85	0.43	1	06/27/20 01:50	06/27/20 14:43	7782-49-2	
Silver	**0.14 U**	mg/kg	0.28	0.14	1	06/27/20 01:50	06/27/20 14:43	7440-22-4	
Vanadium	**3.7**	mg/kg	0.57	0.28	1	06/27/20 01:50	06/27/20 14:43	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.0082 I**	mg/kg	0.010	0.0052	1	06/27/20 09:52	06/29/20 09:14	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**12.0**	%	0.10	0.10	1		06/26/20 09:14		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35558977

QC Batch: 644107
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35558977001, 35558977002, 35558977003, 35558977004

METHOD BLANK: 3502800 Matrix: Solid
Associated Lab Samples: 35558977001, 35558977002, 35558977003, 35558977004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0049 U	0.0098	0.0049	06/29/20 08:54	

LABORATORY CONTROL SAMPLE: 3502801

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.096	0.091	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3502802 3502803

Parameter	Units	35558977001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.021	0.11	0.11	0.12	0.13	91	98	80-120	5	20	

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

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35558977

QC Batch: 644263
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET Solid
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35558977001, 35558977002, 35558977003, 35558977004

METHOD BLANK: 3504053 Matrix: Solid
Associated Lab Samples: 35558977001, 35558977002, 35558977003, 35558977004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.31 U	0.62	0.31	06/27/20 13:18	
Barium	mg/kg	0.31 U	0.62	0.31	06/27/20 13:18	
Boron	mg/kg	1.5 U	3.1	1.5	06/27/20 13:18	
Cadmium	mg/kg	0.031 U	0.062	0.031	06/27/20 13:18	
Chromium	mg/kg	0.15 U	0.31	0.15	06/27/20 13:18	
Lead	mg/kg	0.31 U	0.62	0.31	06/27/20 13:18	
Molybdenum	mg/kg	0.31 U	0.62	0.31	06/27/20 13:18	
Nickel	mg/kg	0.15 U	0.31	0.15	06/27/20 13:18	
Selenium	mg/kg	0.46 U	0.92	0.46	06/27/20 13:18	
Silver	mg/kg	0.15 U	0.31	0.15	06/27/20 13:18	
Vanadium	mg/kg	0.31 U	0.62	0.31	06/27/20 13:18	

LABORATORY CONTROL SAMPLE: 3504054

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	15.1	14.7	97	80-120	
Barium	mg/kg	15.1	15.7	104	80-120	
Boron	mg/kg	75.7	73.3	97	80-120	
Cadmium	mg/kg	1.5	1.6	104	80-120	
Chromium	mg/kg	15.1	15.8	104	80-120	
Lead	mg/kg	15.1	15.7	104	80-120	
Molybdenum	mg/kg	15.1	15.6	103	80-120	
Nickel	mg/kg	15.1	15.6	103	80-120	
Selenium	mg/kg	15.1	13.9	92	80-120	
Silver	mg/kg	1.5	1.5	97	80-120	
Vanadium	mg/kg	15.1	15.6	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3504055 3504056

Parameter	Units	35558089001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	3.2	15.7	15.5	17.1	21.1	88	116	75-125	21	20	J(R1)
Barium	mg/kg	71.5	15.7	15.5	66.3	98.4	-33	174	75-125	39	20	J(M1), J(R1)
Boron	mg/kg	51.4	78.4	77.2	105	109	68	74	75-125	4	20	J(M1)
Cadmium	mg/kg	0.096	1.6	1.6	1.4	1.5	82	88	75-125	6	20	
Chromium	mg/kg	34.6	15.7	15.5	37.9	39.7	22	33	75-125	4	20	J(M1)

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

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35558977

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3504055 3504056

Parameter	Units	35558089001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	14.2	15.7	15.5	42.5	68.3	180	351	75-125	47	20	J(M1), J(R1)
Molybdenum	mg/kg	2.5	15.7	15.5	17.6	18.8	96	105	75-125	6	20	
Nickel	mg/kg	10.6	15.7	15.5	22.3	21.5	75	70	75-125	4	20	J(M1)
Selenium	mg/kg	0.46 U	15.7	15.5	11.8	12.8	73	80	75-125	8	20	J(M1)
Silver	mg/kg	0.26 I	1.6	1.6	1.5	1.7	78	93	75-125	13	20	
Vanadium	mg/kg	17.5	15.7	15.5	25.5	28.1	51	68	75-125	10	20	J(M1)

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Ormond Beach, FL 32174
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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35558977

QC Batch: 644037
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35558977001, 35558977002, 35558977003, 35558977004

SAMPLE DUPLICATE: 3502543

Parameter	Units	35558089001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.9	18.5	4	10	

SAMPLE DUPLICATE: 3502544

Parameter	Units	35558979002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.3	14.3	0	10	

SAMPLE DUPLICATE: 3502545

Parameter	Units	35558967003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	3.6	3.7	3	10	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: JEA SJRPP
Pace Project No.: 35558977

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(R1)	Estimated Value. RPD value was outside control limits.

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP
Pace Project No.: 35558977

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35558977001	**NCP-NW-W-SB-0-1**	EPA 3050	644263	EPA 6010	644278
35558977002	**NCP-SW-W-SB-0-1**	EPA 3050	644263	EPA 6010	644278
35558977003	**NCP-SW-E-SB-0-1**	EPA 3050	644263	EPA 6010	644278
35558977004	**NCP-NW-E-SB-0-1**	EPA 3050	644263	EPA 6010	644278
35558977001	**NCP-NW-W-SB-0-1**	EPA 7471	644107	EPA 7471	644363
35558977002	**NCP-SW-W-SB-0-1**	EPA 7471	644107	EPA 7471	644363
35558977003	**NCP-SW-E-SB-0-1**	EPA 7471	644107	EPA 7471	644363
35558977004	**NCP-NW-E-SB-0-1**	EPA 7471	644107	EPA 7471	644363
35558977001	**NCP-NW-W-SB-0-1**	ASTM D2974-87	644037		
35558977002	**NCP-SW-W-SB-0-1**	ASTM D2974-87	644037		
35558977003	**NCP-SW-E-SB-0-1**	ASTM D2974-87	644037		
35558977004	**NCP-NW-E-SB-0-1**	ASTM D2974-87	644037		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 35558977

35558977

List Pace Workorder Number or ...re

LAB USE ONLY

Company: APTIM Environmental & Infrastructure, Inc.	Billing Information: P-Card
Address: 1228 Winter Garden Vineland Rd. Winter Garden, FL 34787	
Report To: Greg Dever	Email To: greg.dever@aptim.com
Copy To: shane Yenchi shane.yenchi@aptim.com	Site Collection Info/Address: East EQ Basin
Customer Project Name/Number: JEA SJRPP	State: FL / County/City: JAX Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET
Phone: 407-466-6895 Email: greg.dever@aptim.com	Site/Facility ID #: Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Roger Grenville	Purchase Order # : P-Card Quote #: DW PWS ID #: DW Location Code:
Collected By (signature): Ron Grenville	Turnaround Date Required: RUSH Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [✓] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [X] No Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Container Preservative Type **	RCRA 8 Metals (6010 / 7471)	Boron (6010)	Molybdenum (6010)	Nickel (6010)	Vanadium (6010)
									U		U		U		U		U	
NCP-NW-W-SB-0-1	Soil	Comp	6/24/20	13:25	N/A	N/A		1		X	X	X	X	X
NCP-SW-W-SB-0-1	Soil	Comp	6/24/20	13:50	N/A	N/A		1		X	X	X	X	X
NCP-SW-E-SB-0-1	Soil	Comp	6/24/20	14:15	N/A	N/A		1		X	X	X	X	X
NCP-NW-E-SB-0-1	Soil	Comp	6/24/20	14:40	N/A	N/A		1		X	X	X	X	X

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses

Lab Project Manager:

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Sulfide Present	Y	N	NA

Cl Strips: _____

Sample pH Acceptable

pH Strips: _____

Lead Acetate Strips: _____

LAB USE ONLY:

Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours) : Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:

Temp Blank Received: Y N NA

Therm ID#: _____

Cooler 1 Temp Upon Receipt: __oC

Cooler 1 Therm Corr. Factor: __oC

Cooler 1 Corrected Temp: __oC

Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
APTIM / Ron Grenville	6/25/20 914	Martha Monts Pace	6/25/20 914
Martha Monts Pace	6/25/20 1700	FLX	6/25/20 1700
FLX		SMX / Pace	6-25-20 2345

MTJL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

orm (SCUR)

WO#: 35558977
PM: TSR Due Date: 06/30/20
CLIENT: SHAJAX

Proje
Project Manag
Clie

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

Thermometer Used: T353 Date: 6/25/20 Time: 2352 Initials: TMA

State of Origin: ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C 5.4	**(Visual)** 0.0	**(Correction Factor)** 5.4	**(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	**(Visual)**	**(Correction Factor)**	**(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	**(Visual)**	**(Correction Factor)**	**(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	**(Visual)**	**(Correction Factor)**	**(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	**(Visual)**	**(Correction Factor)**	**(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	**(Visual)**	**(Correction Factor)**	**(Actual)**	☐ 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 Dry 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	☒Yes ☐ No ☐N/A	
Chain of Custody Filled Out	☒Yes ☐ No ☐N/A	
Relinquished Signature & Sampler Name COC	☒Yes ☐ No ☐N/A	
Samples Arrived within Hold Time	☒Yes ☐ No ☐N/A	
Rush TAT requested on COC	☒Yes ☐ No ☐N/A	2DAY
Sufficient Volume	☒Yes ☐ No ☐N/A	
Correct Containers Used	☒Yes ☐ No ☐N/A	
Containers Intact	☒Yes ☐ No ☐N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☒Yes ☐ No ☐N/A	
All containers needing acid/base preservation have been checked.	☐Yes ☐ No ☒N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐Yes ☐ No ☒N/A	Preservative: Lot #/Trace #: Date: Time: Initials:
Headspace in VOA Vials? (>6mm):	☐Yes ☐ No ☒N/A	
Trip Blank Present:	☐Yes ☐ No ☒N/A	

Client Notification/ Resolution:
Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

July 02, 2020

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP
Pace Project No.: 35559563

Dear Mr. Dever:

Enclosed are the analytical results for sample(s) received by the laboratory on June 29, 2020. 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 Analytical Services - Ormond Beach

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Mr. Charles Bursich, APTIM-Environmental & Infrastructure, Inc.
Mr. Shane Yenchi, APTIM-Environmental & Infrastructure, Inc.

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8 East Tower Circle
Ormond Beach, FL 32174
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CERTIFICATIONS

Project: JEA SJRPP
Pace Project No.: 35559563

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
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
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

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8 East Tower Circle
Ormond Beach, FL 32174
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SAMPLE SUMMARY

Project: JEA SJRPP
Pace Project No.: 35559563

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35559563001	**NCP-NE-W-SB-0-1**	Solid	06/29/20 08:45	06/29/20 17:00
35559563002	**NCP-NE-E-SB-0-1**	Solid	06/29/20 09:00	06/29/20 17:00
35559563003	**NCP-SE-E-SB-0-1**	Solid	06/29/20 09:15	06/29/20 17:00
35559563004	**NCP-SE-W-SB-0-1**	Solid	06/29/20 09:30	06/29/20 17:00

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Ormond Beach, FL 32174
(386)672-5668

SAMPLE ANALYTE COUNT

Project: JEA SJRPP
Pace Project No.: 35559563

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35559563001	**NCP-NE-W-SB-0-1**	EPA 6010	ATC	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	JM2	1	PASI-O
35559563002	**NCP-NE-E-SB-0-1**	EPA 6010	ATC	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	JM2	1	PASI-O
35559563003	**NCP-SE-E-SB-0-1**	EPA 6010	ATC	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	JM2	1	PASI-O
35559563004	**NCP-SE-W-SB-0-1**	EPA 6010	CS2	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	JM2	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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8 East Tower Circle
Ormond Beach, FL 32174
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SUMMARY OF DETECTION

Project: JEA SJRPP
Pace Project No.: 35559563

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35559563001	**NCP-NE-W-SB-0-1**					
EPA 6010	Barium	5.6	mg/kg	0.52	07/01/20 10:05	
EPA 6010	Chromium	2.8	mg/kg	0.26	07/01/20 10:05	
EPA 6010	Lead	2.6	mg/kg	0.52	07/01/20 10:05	
EPA 6010	Molybdenum	0.62	mg/kg	0.52	07/01/20 10:05	
EPA 6010	Nickel	1.0	mg/kg	0.26	07/01/20 10:05	
EPA 6010	Selenium	0.88	mg/kg	0.79	07/01/20 10:05	
EPA 6010	Vanadium	3.1	mg/kg	0.52	07/01/20 10:05	
EPA 7471	Mercury	0.048	mg/kg	0.012	06/30/20 12:19	
ASTM D2974-87	Percent Moisture	16.4	%	0.10	06/30/20 10:24	
35559563002	**NCP-NE-E-SB-0-1**					
EPA 6010	Barium	4.1	mg/kg	0.52	07/01/20 10:20	
EPA 6010	Boron	1.4 I	mg/kg	2.6	07/01/20 10:20	
EPA 6010	Chromium	3.0	mg/kg	0.26	07/01/20 10:20	
EPA 6010	Lead	3.9	mg/kg	0.52	07/01/20 10:20	
EPA 6010	Nickel	0.26	mg/kg	0.26	07/01/20 10:20	
EPA 6010	Vanadium	1.4	mg/kg	0.52	07/01/20 10:20	
EPA 7471	Mercury	0.011	mg/kg	0.011	06/30/20 12:22	
ASTM D2974-87	Percent Moisture	11.9	%	0.10	06/30/20 10:24	
35559563003	**NCP-SE-E-SB-0-1**					
EPA 6010	Barium	3.6	mg/kg	0.59	07/01/20 10:23	
EPA 6010	Chromium	1.1	mg/kg	0.29	07/01/20 10:23	
EPA 6010	Lead	1.0	mg/kg	0.59	07/01/20 10:23	
EPA 6010	Nickel	0.37	mg/kg	0.29	07/01/20 10:23	
EPA 6010	Vanadium	0.83	mg/kg	0.59	07/01/20 10:23	
ASTM D2974-87	Percent Moisture	13.5	%	0.10	06/30/20 10:25	
35559563004	**NCP-SE-W-SB-0-1**					
EPA 6010	Barium	4.5	mg/kg	0.66	07/01/20 13:50	
EPA 6010	Chromium	1.4	mg/kg	0.33	07/01/20 13:50	
EPA 6010	Lead	1.2	mg/kg	0.66	07/01/20 13:50	
EPA 6010	Nickel	0.37	mg/kg	0.33	07/01/20 13:50	
EPA 6010	Vanadium	1.0	mg/kg	0.66	07/01/20 13:50	
ASTM D2974-87	Percent Moisture	12.7	%	0.10	06/30/20 10:25	

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35559563

Sample: NCP-NE-W-SB-0-1 **Lab ID: 35559563001** Collected: 06/29/20 08:45 Received: 06/29/20 17:00 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	**0.26 U**	mg/kg	0.52	0.26	1	06/30/20 17:29	07/01/20 10:05	7440-38-2	
Barium	**5.6**	mg/kg	0.52	0.26	1	06/30/20 17:29	07/01/20 10:05	7440-39-3	
Boron	**1.3 U**	mg/kg	2.6	1.3	1	06/30/20 17:29	07/01/20 10:05	7440-42-8	
Cadmium	**0.026 U**	mg/kg	0.052	0.026	1	06/30/20 17:29	07/01/20 10:05	7440-43-9	
Chromium	**2.8**	mg/kg	0.26	0.13	1	06/30/20 17:29	07/01/20 10:05	7440-47-3	
Lead	**2.6**	mg/kg	0.52	0.26	1	06/30/20 17:29	07/01/20 10:05	7439-92-1	
Molybdenum	**0.62**	mg/kg	0.52	0.26	1	06/30/20 17:29	07/01/20 10:05	7439-98-7	
Nickel	**1.0**	mg/kg	0.26	0.13	1	06/30/20 17:29	07/01/20 10:05	7440-02-0	
Selenium	**0.88**	mg/kg	0.79	0.39	1	06/30/20 17:29	07/01/20 10:05	7782-49-2	
Silver	**0.13 U**	mg/kg	0.26	0.13	1	06/30/20 17:29	07/01/20 10:05	7440-22-4	
Vanadium	**3.1**	mg/kg	0.52	0.26	1	06/30/20 17:29	07/01/20 10:05	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.048**	mg/kg	0.012	0.0058	1	06/30/20 08:22	06/30/20 12:19	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**16.4**	%	0.10	0.10	1		06/30/20 10:24		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35559563

Sample: NCP-NE-E-SB-0-1 **Lab ID: 35559563002** Collected: 06/29/20 09:00 Received: 06/29/20 17:00 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	**0.26 U**	mg/kg	0.52	0.26	1	06/30/20 17:29	07/01/20 10:20	7440-38-2	
Barium	**4.1**	mg/kg	0.52	0.26	1	06/30/20 17:29	07/01/20 10:20	7440-39-3	
Boron	**1.4 I**	mg/kg	2.6	1.3	1	06/30/20 17:29	07/01/20 10:20	7440-42-8	
Cadmium	**0.026 U**	mg/kg	0.052	0.026	1	06/30/20 17:29	07/01/20 10:20	7440-43-9	
Chromium	**3.0**	mg/kg	0.26	0.13	1	06/30/20 17:29	07/01/20 10:20	7440-47-3	
Lead	**3.9**	mg/kg	0.52	0.26	1	06/30/20 17:29	07/01/20 10:20	7439-92-1	
Molybdenum	**0.26 U**	mg/kg	0.52	0.26	1	06/30/20 17:29	07/01/20 10:20	7439-98-7	
Nickel	**0.26**	mg/kg	0.26	0.13	1	06/30/20 17:29	07/01/20 10:20	7440-02-0	
Selenium	**0.39 U**	mg/kg	0.77	0.39	1	06/30/20 17:29	07/01/20 10:20	7782-49-2	
Silver	**0.13 U**	mg/kg	0.26	0.13	1	06/30/20 17:29	07/01/20 10:20	7440-22-4	
Vanadium	**1.4**	mg/kg	0.52	0.26	1	06/30/20 17:29	07/01/20 10:20	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.011**	mg/kg	0.011	0.0055	1	06/30/20 08:22	06/30/20 12:22	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**11.9**	%	0.10	0.10	1		06/30/20 10:24		

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35559563

Sample: NCP-SE-E-SB-0-1 **Lab ID: 35559563003** Collected: 06/29/20 09:15 Received: 06/29/20 17:00 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	**0.29 U**	mg/kg	0.59	0.29	1	06/30/20 17:29	07/01/20 10:23	7440-38-2	
Barium	**3.6**	mg/kg	0.59	0.29	1	06/30/20 17:29	07/01/20 10:23	7440-39-3	
Boron	**1.5 U**	mg/kg	2.9	1.5	1	06/30/20 17:29	07/01/20 10:23	7440-42-8	
Cadmium	**0.029 U**	mg/kg	0.059	0.029	1	06/30/20 17:29	07/01/20 10:23	7440-43-9	
Chromium	**1.1**	mg/kg	0.29	0.15	1	06/30/20 17:29	07/01/20 10:23	7440-47-3	
Lead	**1.0**	mg/kg	0.59	0.29	1	06/30/20 17:29	07/01/20 10:23	7439-92-1	
Molybdenum	**0.29 U**	mg/kg	0.59	0.29	1	06/30/20 17:29	07/01/20 10:23	7439-98-7	
Nickel	**0.37**	mg/kg	0.29	0.15	1	06/30/20 17:29	07/01/20 10:23	7440-02-0	
Selenium	**0.44 U**	mg/kg	0.88	0.44	1	06/30/20 17:29	07/01/20 10:23	7782-49-2	
Silver	**0.15 U**	mg/kg	0.29	0.15	1	06/30/20 17:29	07/01/20 10:23	7440-22-4	
Vanadium	**0.83**	mg/kg	0.59	0.29	1	06/30/20 17:29	07/01/20 10:23	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.0057 U**	mg/kg	0.011	0.0057	1	06/30/20 08:22	06/30/20 12:29	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**13.5**	%	0.10	0.10	1		06/30/20 10:25		

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35559563

Sample: NCP-SE-W-SB-0-1 **Lab ID: 35559563004** Collected: 06/29/20 09:30 Received: 06/29/20 17:00 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	**0.33 U**	mg/kg	0.66	0.33	1	06/30/20 17:29	07/01/20 13:50	7440-38-2	
Barium	**4.5**	mg/kg	0.66	0.33	1	06/30/20 17:29	07/01/20 13:50	7440-39-3	
Boron	**1.7 U**	mg/kg	3.3	1.7	1	06/30/20 17:29	07/01/20 13:50	7440-42-8	
Cadmium	**0.033 U**	mg/kg	0.066	0.033	1	06/30/20 17:29	07/01/20 13:50	7440-43-9	
Chromium	**1.4**	mg/kg	0.33	0.17	1	06/30/20 17:29	07/01/20 13:50	7440-47-3	
Lead	**1.2**	mg/kg	0.66	0.33	1	06/30/20 17:29	07/01/20 13:50	7439-92-1	
Molybdenum	**0.33 U**	mg/kg	0.66	0.33	1	06/30/20 17:29	07/01/20 13:50	7439-98-7	
Nickel	**0.37**	mg/kg	0.33	0.17	1	06/30/20 17:29	07/01/20 13:50	7440-02-0	
Selenium	**0.50 U**	mg/kg	1.0	0.50	1	06/30/20 17:29	07/01/20 13:50	7782-49-2	
Silver	**0.17 U**	mg/kg	0.33	0.17	1	06/30/20 17:29	07/01/20 13:50	7440-22-4	
Vanadium	**1.0**	mg/kg	0.66	0.33	1	06/30/20 17:29	07/01/20 13:50	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.0057 U**	mg/kg	0.011	0.0057	1	06/30/20 08:22	06/30/20 12:31	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**12.7**	%	0.10	0.10	1		06/30/20 10:25		

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35559563

QC Batch: 644817
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35559563001, 35559563002, 35559563003, 35559563004

METHOD BLANK: 3506245 Matrix: Solid
Associated Lab Samples: 35559563001, 35559563002, 35559563003, 35559563004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0048 U	0.0097	0.0048	06/30/20 11:01	

LABORATORY CONTROL SAMPLE: 3506246

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.099	0.10	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3506247 3506248

Parameter	Units	35559432001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.0094 I	0.11	0.12	0.12	0.13	101	102	80-120	4	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35559563

QC Batch: 645041
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET Solid
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35559563001, 35559563002, 35559563003

METHOD BLANK: 3507249 Matrix: Solid
Associated Lab Samples: 35559563001, 35559563002, 35559563003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.26 U	0.52	0.26	07/01/20 08:34	
Barium	mg/kg	0.26 U	0.52	0.26	07/01/20 08:34	
Boron	mg/kg	1.3 U	2.6	1.3	07/01/20 08:34	
Cadmium	mg/kg	0.026 U	0.052	0.026	07/01/20 08:34	
Chromium	mg/kg	0.13 U	0.26	0.13	07/01/20 08:34	
Lead	mg/kg	0.26 U	0.52	0.26	07/01/20 08:34	
Molybdenum	mg/kg	0.26 U	0.52	0.26	07/01/20 08:34	
Nickel	mg/kg	0.13 U	0.26	0.13	07/01/20 08:34	
Selenium	mg/kg	0.39 U	0.78	0.39	07/01/20 08:34	
Silver	mg/kg	0.13 U	0.26	0.13	07/01/20 08:34	
Vanadium	mg/kg	0.26 U	0.52	0.26	07/01/20 08:34	

LABORATORY CONTROL SAMPLE: 3507250

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	12.5	12.6	101	80-120	
Barium	mg/kg	12.5	13.5	108	80-120	
Boron	mg/kg	62.7	61.3	98	80-120	
Cadmium	mg/kg	1.3	1.3	106	80-120	
Chromium	mg/kg	12.5	13.6	109	80-120	
Lead	mg/kg	12.5	13.4	107	80-120	
Molybdenum	mg/kg	12.5	13.5	108	80-120	
Nickel	mg/kg	12.5	13.5	107	80-120	
Selenium	mg/kg	12.5	12.1	96	80-120	
Silver	mg/kg	1.3	1.2	98	80-120	
Vanadium	mg/kg	12.5	13.5	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3507251 3507252

Parameter	Units	35558640006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	0.28 U	13.9	12.8	13.1	12.0	94	93	75-125	9	20	
Barium	mg/kg	3.8	13.9	12.8	20.0	19.2	117	121	75-125	4	20	
Boron	mg/kg	1.4 U	69.4	63.8	67.3	61.8	97	97	75-125	9	20	
Cadmium	mg/kg	0.028 U	1.4	1.3	1.5	1.3	105	104	75-125	9	20	
Chromium	mg/kg	1.3	13.9	12.8	16.8	15.5	112	112	75-125	8	20	
Lead	mg/kg	1.0	13.9	12.8	15.9	14.8	107	107	75-125	8	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35559563

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3507251 3507252

Parameter	Units	35558640006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum	mg/kg	0.28 U	13.9	12.8	14.4	13.2	103	103	75-125	9	20	
Nickel	mg/kg	0.46	13.9	12.8	15.6	14.4	109	109	75-125	8	20	
Selenium	mg/kg	0.42 U	13.9	12.8	12.8	11.9	91	92	75-125	7	20	
Silver	mg/kg	0.14 U	1.4	1.3	1.3	1.2	96	96	75-125	8	20	
Vanadium	mg/kg	1.0	13.9	12.8	16.7	15.4	113	113	75-125	8	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35559563

QC Batch: 645043
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET Solid
Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35559563004

METHOD BLANK: 3507263 Matrix: Solid
Associated Lab Samples: 35559563004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.25 U	0.50	0.25	07/01/20 13:18	
Barium	mg/kg	0.25 U	0.50	0.25	07/01/20 13:18	
Boron	mg/kg	1.2 U	2.5	1.2	07/01/20 13:18	
Cadmium	mg/kg	0.025 U	0.050	0.025	07/01/20 13:18	
Chromium	mg/kg	0.12 U	0.25	0.12	07/01/20 13:18	
Lead	mg/kg	0.25 U	0.50	0.25	07/01/20 13:18	
Molybdenum	mg/kg	0.25 U	0.50	0.25	07/01/20 13:18	
Nickel	mg/kg	0.12 U	0.25	0.12	07/01/20 13:18	
Selenium	mg/kg	0.37 U	0.74	0.37	07/01/20 13:18	
Silver	mg/kg	0.12 U	0.25	0.12	07/01/20 13:18	
Vanadium	mg/kg	0.25 U	0.50	0.25	07/01/20 13:18	

LABORATORY CONTROL SAMPLE: 3507264

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	12.6	12.5	99	80-120	
Barium	mg/kg	12.6	13.6	108	80-120	
Boron	mg/kg	63	61.3	97	80-120	
Cadmium	mg/kg	1.3	1.3	106	80-120	
Chromium	mg/kg	12.6	13.7	109	80-120	
Lead	mg/kg	12.6	13.5	107	80-120	
Molybdenum	mg/kg	12.6	13.5	107	80-120	
Nickel	mg/kg	12.6	13.7	108	80-120	
Selenium	mg/kg	12.6	12.1	96	80-120	
Silver	mg/kg	1.3	1.2	96	80-120	
Vanadium	mg/kg	12.6	13.6	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3507265 3507266

Parameter	Units	35558340001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	0.76	14.8	17	13.7	17.3	87	98	75-125	23	20	J(R1)
Barium	mg/kg	8.5	14.8	17	21.5	26.2	88	104	75-125	20	20	
Boron	mg/kg	1.5 U	73.9	84.9	62.4	77.6	83	90	75-125	22	20	J(R1)
Cadmium	mg/kg	0.56	1.4	1.7	1.7	2.3	79	101	75-125	28	20	J(R1)
Chromium	mg/kg	9.6	14.8	17	23.1	27.2	91	103	75-125	16	20	
Lead	mg/kg	11.6	14.8	17	25.0	29.7	91	107	75-125	17	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35559563

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3507265 3507266

Parameter	Units	35558340001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum	mg/kg	0.30 U	14.8	17	12.4	15.4	84	91	75-125	22	20	J(R1)
Nickel	mg/kg	6.0	14.8	17	16.0	19.2	68	78	75-125	18	20	J(M1)
Selenium	mg/kg	0.45 U	14.8	17	12.0	15.2	81	89	75-125	23	20	J(R1)
Silver	mg/kg	0.15 U	1.4	1.7	1.4	1.7	96	102	75-125	20	20	
Vanadium	mg/kg	9.0	14.8	17	23.9	29.6	100	121	75-125	21	20	J(R1)

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35559563

QC Batch: 644909
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35559563001, 35559563002, 35559563003, 35559563004

SAMPLE DUPLICATE: 3506490

Parameter	Units	35559414001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.8	15.0	1	10	

SAMPLE DUPLICATE: 3506491

Parameter	Units	35559545009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.1	6.2	13	10	J(D6)

SAMPLE DUPLICATE: 3506492

Parameter	Units	35559478001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	3.4	4.3	22	10	J(D6)

SAMPLE DUPLICATE: 3506493

Parameter	Units	35559508002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	1.4	1.1	29	10	J(D6)

SAMPLE DUPLICATE: 3506494

Parameter	Units	35559580001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.7	18.0	2	10	

SAMPLE DUPLICATE: 3506495

Parameter	Units	35559519004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	0.79	1.1	29	10	J(D6)

SAMPLE DUPLICATE: 3506496

Parameter	Units	35559519013 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	2.4	2.0	15	10	J(D6)

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

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35559563

SAMPLE DUPLICATE: 3506497

Parameter	Units	35559547001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	2.7	2.7	1	10	

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

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QUALIFIERS

Project: JEA SJRPP
Pace Project No.: 35559563

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(R1)	Estimated Value. RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP
Pace Project No.: 35559563

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35559563001	**NCP-NE-W-SB-0-1**	EPA 3050	645041	EPA 6010	645106
35559563002	**NCP-NE-E-SB-0-1**	EPA 3050	645041	EPA 6010	645106
35559563003	**NCP-SE-E-SB-0-1**	EPA 3050	645041	EPA 6010	645106
35559563004	**NCP-SE-W-SB-0-1**	EPA 3050	645043	EPA 6010	645108
35559563001	**NCP-NE-W-SB-0-1**	EPA 7471	644817	EPA 7471	644880
35559563002	**NCP-NE-E-SB-0-1**	EPA 7471	644817	EPA 7471	644880
35559563003	**NCP-SE-E-SB-0-1**	EPA 7471	644817	EPA 7471	644880
35559563004	**NCP-SE-W-SB-0-1**	EPA 7471	644817	EPA 7471	644880
35559563001	**NCP-NE-W-SB-0-1**	ASTM D2974-87	644909		
35559563002	**NCP-NE-E-SB-0-1**	ASTM D2974-87	644909		
35559563003	**NCP-SE-E-SB-0-1**	ASTM D2974-87	644909		
35559563004	**NCP-SE-W-SB-0-1**	ASTM D2974-87	644909		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company: APTIM Environmental & Infrastructure, Inc.	Billing Information: P-Card
Address: 1228 Winter Garden Vineland Rd. Winter Garden, FL 34787	
Report To: Greg Dever	Email To: greg.dever@aptim.com
Copy To: shane Yenchi shane.yenchi@aptim.com	Site Collection Info/Address: East EQ Basin
Customer Project Name/Number: JEA SJRPP	State: FL / County/City: JAX / Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET
Phone: 407-466-6895 Email: greg.dever@aptim.com	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Roger Grenville	Purchase Order # : P-Card Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature):	Turnaround Date Required: RUSH / Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [X] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [X] No Analysis:

Container Preservative Type **: U | U | U | U | U

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	RCRA 8 Metals (6010 / 7471)	Boron (6010)	Molybdenum (6010)	Nickel (6010)	Vanadium (6010)
NCP-NE-W-SB-0-1	Soil	Comp	6/29/20	8:45	N/A	N/A		1	x	x	x	x	x
NCP-NE-E-SB-0-1	Soil	Comp	6/29/20	9:00	N/A	N/A		1	x	x	x	x	x
NCP-SE-E-SB-0-1	Soil	Comp	6/29/20	9:15	N/A	N/A		1	x	x	x	x	x
NCP-SE-W-SB-0-1	Soil	Comp	6/29/20	9:30	N/A	N/A		1	x	x	x	x	x

WO# : 35559563

35559563

Lab Profile/Line:

Lab Sample Receipt Checklist:
Custody Seals Present/Intact Y N NA
Custody Signatures Present Y N NA
Collector Signature Present Y N NA
Bottles Intact Y N NA
Correct Bottles Y N NA
Sufficient Volume Y N NA
Samples Received on Ice Y N NA
VOA - Headspace Acceptable Y N NA
USDA Regulated Soils Y N NA
Samples in Holding Time Y N NA
Residual Chlorine Present Y N NA
Cl Strips: _____
Sample pH Acceptable Y N NA
pH, Strips: _____
Sulfide Present Y N NA
Lead Acetate Strips: _____

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: __oC
Cooler 1 Therm Corr. Factor: __oC
Cooler 1 Corrected Temp: _____oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
APTim Ka Call	6/29/20	PACE	6/29/20 1135
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
PACE	6/29/20 1700	FLX	6/29/20 1700
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
FLX		S.C.C / pace	06/29/20 2335

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

(SCUR)

WO# : 35559563

PM: TSR **Due Date: 07/02/20**

CLIENT: SHAJAX

Project #

Project Manager:

Client:

Date and Initials of person:
Examining contents: S.C.K
Label:
Deliver:
pH:

Thermometer Used: T-353 Date: 6/29/20 Time: 2341 Initials: SMK

State of Origin: ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	2.7 (Visual)	0.0 (Correction Factor)	2.7 (Actual)	☐	Samples on ice, cooling process has begun
Cooler #2 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐	Samples on ice, cooling process has begun
Cooler #3 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐	Samples on ice, cooling process has begun
Cooler #4 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐	Samples on ice, cooling process has begun
Cooler #5 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐	Samples on ice, cooling process has begun
Cooler #6 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐	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 Dry 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	☑Yes ☐No ☐N/A	
Chain of Custody Filled Out	☑Yes ☐No ☐N/A	
Relinquished Signature & Sampler Name COC	☑Yes ☐No ☐N/A	
Samples Arrived within Hold Time	☑Yes ☐No ☐N/A	
Rush TAT requested on COC	☑Yes ☐No ☐N/A	3 day
Sufficient Volume	☑Yes ☐No ☐N/A	
Correct Containers Used	☑Yes ☐No ☐N/A	
Containers Intact	☑Yes ☐No ☐N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑Yes ☐No ☐N/A	
All containers needing acid/base preservation have been checked.	☐Yes ☐No ☑N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐Yes ☐No ☑N/A	Preservative: Lot #/Trace #: Date: Time: Initials:
Headspace in VOA Vials? (>6mm):	☐Yes ☐No ☑N/A	
Trip Blank Present:	☐Yes ☐No ☑N/A	

Client Notification/ Resolution:
Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

July 30, 2019

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP
Pace Project No.: 35484872

Dear Mr. Dever:
Enclosed are the analytical results for sample(s) received by the laboratory on July 25, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Mr. William Mahler, APTIM-Environmental & Infrastructure, Inc.

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CERTIFICATIONS

Project: JEA SJRPP
Pace Project No.: 35484872

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
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
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
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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Ormond Beach, FL 32174
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SAMPLE SUMMARY

Project: JEA SJRPP
Pace Project No.: 35484872

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35484872001	**CYSB1B-SB1-02**	Solid	07/25/19 14:29	07/25/19 16:20
35484872002	**CYSB1B-SB2-02**	Solid	07/25/19 14:32	07/25/19 16:20

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP
Pace Project No.: 35484872

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35484872001	**CYSB1B-SB1-02**	EPA 6010	LEC	11	PASI-O
		EPA 7471	CS2	1	PASI-O
		ASTM D2974-87	CLT	1	PASI-O
35484872002	**CYSB1B-SB2-02**	EPA 6010	LEC	11	PASI-O
		EPA 7471	CS2	1	PASI-O
		ASTM D2974-87	CLT	1	PASI-O

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SUMMARY OF DETECTION

Project: JEA SJRPP
Pace Project No.: 35484872

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35484872001	**CYSB1B-SB1-02**					
EPA 6010	Barium	3.0	mg/kg	0.70	07/30/19 13:29	
EPA 6010	Chromium	1.1	mg/kg	0.35	07/30/19 13:29	
EPA 6010	Lead	1.0	mg/kg	0.70	07/30/19 13:29	
EPA 6010	Nickel	0.41	mg/kg	0.35	07/30/19 13:29	
EPA 6010	Vanadium	0.83	mg/kg	0.70	07/30/19 13:29	
ASTM D2974-87	Percent Moisture	25.4	%	0.10	07/29/19 09:25	
35484872002	**CYSB1B-SB2-02**					
EPA 6010	Barium	1.2	mg/kg	0.79	07/30/19 13:33	
EPA 6010	Chromium	0.49	mg/kg	0.39	07/30/19 13:33	
EPA 6010	Lead	0.56	mg/kg	0.79	07/30/19 13:33	I
ASTM D2974-87	Percent Moisture	24.6	%	0.10	07/29/19 09:25	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35484872

Sample: CYSB1B-SB1-02 **Lab ID: 35484872001** Collected: 07/25/19 14:29 Received: 07/25/19 16:20 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								
Arsenic	**0.35 U**	mg/kg	0.70	0.35	1	07/27/19 00:26	07/30/19 13:29	7440-38-2	
Barium	**3.0**	mg/kg	0.70	0.35	1	07/27/19 00:26	07/30/19 13:29	7440-39-3	
Boron	**1.7 U**	mg/kg	3.5	1.7	1	07/27/19 00:26	07/30/19 13:29	7440-42-8	
Cadmium	**0.035 U**	mg/kg	0.070	0.035	1	07/27/19 00:26	07/30/19 13:29	7440-43-9	
Chromium	**1.1**	mg/kg	0.35	0.17	1	07/27/19 00:26	07/30/19 13:29	7440-47-3	
Lead	**1.0**	mg/kg	0.70	0.35	1	07/27/19 00:26	07/30/19 13:29	7439-92-1	
Molybdenum	**0.35 U**	mg/kg	0.70	0.35	1	07/27/19 00:26	07/30/19 13:29	7439-98-7	
Nickel	**0.41**	mg/kg	0.35	0.17	1	07/27/19 00:26	07/30/19 13:29	7440-02-0	
Selenium	**0.52 U**	mg/kg	1.0	0.52	1	07/27/19 00:26	07/30/19 13:29	7782-49-2	
Silver	**0.17 U**	mg/kg	0.35	0.17	1	07/27/19 00:26	07/30/19 13:29	7440-22-4	
Vanadium	**0.83**	mg/kg	0.70	0.35	1	07/27/19 00:26	07/30/19 13:29	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0062 U**	mg/kg	0.012	0.0062	1	07/29/19 11:53	07/30/19 13:03	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**25.4**	%	0.10	0.10	1		07/29/19 09:25		

REPORT OF LABORATORY ANALYSIS

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(386)672-5668

ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35484872

Sample: CYSB1B-SB2-02 **Lab ID: 35484872002** Collected: 07/25/19 14:32 Received: 07/25/19 16:20 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								
Arsenic	**0.39 U**	mg/kg	0.79	0.39	1	07/27/19 00:26	07/30/19 13:33	7440-38-2	
Barium	**1.2**	mg/kg	0.79	0.39	1	07/27/19 00:26	07/30/19 13:33	7440-39-3	
Boron	**2.0 U**	mg/kg	3.9	2.0	1	07/27/19 00:26	07/30/19 13:33	7440-42-8	
Cadmium	**0.039 U**	mg/kg	0.079	0.039	1	07/27/19 00:26	07/30/19 13:33	7440-43-9	
Chromium	**0.49**	mg/kg	0.39	0.20	1	07/27/19 00:26	07/30/19 13:33	7440-47-3	
Lead	**0.56 I**	mg/kg	0.79	0.39	1	07/27/19 00:26	07/30/19 13:33	7439-92-1	
Molybdenum	**0.39 U**	mg/kg	0.79	0.39	1	07/27/19 00:26	07/30/19 13:33	7439-98-7	
Nickel	**0.20 U**	mg/kg	0.39	0.20	1	07/27/19 00:26	07/30/19 13:33	7440-02-0	
Selenium	**0.59 U**	mg/kg	1.2	0.59	1	07/27/19 00:26	07/30/19 13:33	7782-49-2	
Silver	**0.20 U**	mg/kg	0.39	0.20	1	07/27/19 00:26	07/30/19 13:33	7440-22-4	
Vanadium	**0.39 U**	mg/kg	0.79	0.39	1	07/27/19 00:26	07/30/19 13:33	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0058 U**	mg/kg	0.012	0.0058	1	07/29/19 11:53	07/30/19 13:05	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**24.6**	%	0.10	0.10	1		07/29/19 09:25		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35484872

QC Batch: 557783 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 35484872001, 35484872002

METHOD BLANK: 3027265 Matrix: Solid
Associated Lab Samples: 35484872001, 35484872002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0043 U	0.0087	0.0043	07/30/19 12:00	

LABORATORY CONTROL SAMPLE: 3027266

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.084	0.085	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3027267 3027268

Parameter	Units	35484639001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.014	0.094	0.098	0.11	0.11	100	97	80-120	1	20	

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

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35484872

QC Batch: 557360 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
Associated Lab Samples: 35484872001, 35484872002

METHOD BLANK: 3024550 Matrix: Solid
Associated Lab Samples: 35484872001, 35484872002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.28 U	0.57	0.28	07/30/19 12:33	
Barium	mg/kg	0.28 U	0.57	0.28	07/30/19 12:33	
Boron	mg/kg	1.4 U	2.8	1.4	07/30/19 12:33	
Cadmium	mg/kg	0.028 U	0.057	0.028	07/30/19 12:33	
Chromium	mg/kg	0.14 U	0.28	0.14	07/30/19 12:33	
Lead	mg/kg	0.28 U	0.57	0.28	07/30/19 12:33	
Molybdenum	mg/kg	0.28 U	0.57	0.28	07/30/19 12:33	
Nickel	mg/kg	0.14 U	0.28	0.14	07/30/19 12:33	
Selenium	mg/kg	0.43 U	0.85	0.43	07/30/19 12:33	
Silver	mg/kg	0.14 U	0.28	0.14	07/30/19 12:33	
Vanadium	mg/kg	0.28 U	0.57	0.28	07/30/19 12:33	

LABORATORY CONTROL SAMPLE: 3024551

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	15.1	14.6	97	80-120	
Barium	mg/kg	15.1	15.1	100	80-120	
Boron	mg/kg	75.4	72.4	96	80-120	
Cadmium	mg/kg	1.5	1.5	100	80-120	
Chromium	mg/kg	15.1	15.8	105	80-120	
Lead	mg/kg	15.1	15.6	103	80-120	
Molybdenum	mg/kg	15.1	15.7	104	80-120	
Nickel	mg/kg	15.1	15.8	105	80-120	
Selenium	mg/kg	15.1	14.2	94	80-120	
Silver	mg/kg	1.5	1.3	87	80-120	
Vanadium	mg/kg	15.1	15.7	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3024552 3024553

Parameter	Units	35484676002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	1.9	16.6	16.1	17.8	17.3	96	96	75-125	3	20	
Barium	mg/kg	8.2	16.6	16.1	24.2	24.3	96	100	75-125	0	20	
Boron	mg/kg	1.8 U	83.2	80.5	82.6	80.8	99	100	75-125	2	20	
Cadmium	mg/kg	0.12	1.6	1.6	1.7	1.7	96	96	75-125	4	20	
Chromium	mg/kg	8.4	16.6	16.1	24.5	24.2	96	98	75-125	1	20	
Lead	mg/kg	77.9	16.6	16.1	89.4	90.4	69	78	75-125	1	20	J(M1)
Molybdenum	mg/kg	0.36 U	16.6	16.1	17.1	16.2	101	99	75-125	5	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35484872

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3024552 3024553

Parameter	Units	35484676002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nickel	mg/kg	2.5	16.6	16.1	19.2	18.5	101	99	75-125	4	20	
Selenium	mg/kg	0.54 U	16.6	16.1	16.1	15.7	97	97	75-125	3	20	
Silver	mg/kg	0.18 U	1.6	1.6	1.5	1.4	90	89	75-125	5	20	
Vanadium	mg/kg	4.8	16.6	16.1	21.4	20.9	100	100	75-125	3	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35484872

QC Batch: 557736 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 35484872001, 35484872002

SAMPLE DUPLICATE: 3027045

Parameter	Units	35484835011 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.4	5.1	6	10	

SAMPLE DUPLICATE: 3027046

Parameter	Units	35484604049 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.2	10.1	1	10	

SAMPLE DUPLICATE: 3027047

Parameter	Units	35484182003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.4	4.9	10	10	

SAMPLE DUPLICATE: 3027048

Parameter	Units	35485148009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	11.7	12.6	8	10	

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QUALIFIERS

Project: JEA SJRPP
Pace Project No.: 35484872

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP
Pace Project No.: 35484872

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35484872001	**CYSB1B-SB1-02**	EPA 3050	557360	EPA 6010	557581
35484872002	**CYSB1B-SB2-02**	EPA 3050	557360	EPA 6010	557581
35484872001	**CYSB1B-SB1-02**	EPA 7471	557783	EPA 7471	557928
35484872002	**CYSB1B-SB2-02**	EPA 7471	557783	EPA 7471	557928
35484872001	**CYSB1B-SB1-02**	ASTM D2974-87	557736		
35484872002	**CYSB1B-SB2-02**	ASTM D2974-87	557736		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 35484872

35484872

Company: APTIM Environmental & Infrastructure, Inc.	Billing Information:
Address: 1228 Winter Garden Vineland Rd. Winter Garden, FL 34787	
Report To: Greg Dever	Email To: greg.dever@aptim.com
Copy To: Chuck Bursich charles.bursich@aptim.com	Site Collection Info/Address: Coal Pile Runoff Pond 1B (1'-2' intervals)
Customer Project Name/Number: JEA SJRPP	State: FL / County/City: JAX / Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET
Phone: 407-466-6895 Email: greg.dever@aptim.com	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Chuck Bursich	Purchase Order # : Quote #: / DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Wednesday, June 26, 2019 / Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [X] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [X] No Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Container Preservative Type **

U		U		U		U		U

Lab Project Manager: Todd Rea

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	RCRA 8 Metals (6010 / 7471)	Boron (6010)	Molybdenum (6010)	Nickel (6010)	Vanadium (6010)
CYSB1B-SB1-02	SL	Comp	7.25.19	14:28	7.25.19	14:29		1	x	x	x	x	x
CYSB1B-SB2-02	SL	Comp	7.25.19	14:31	7.25.19	14:32		1	x	x	x	x	x

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

10649-3

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours) : Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: __oC
Cooler 1 Therm Corr. Factor: __oC
Cooler 1 Corrected Temp: _____oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
CMBurch	7.25.19 16:20	Pace	7/25/19 1620
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Pace	7/25/19 1700	FLX	7/25/19 1700
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
FLX		Pace	7-26-19 0030

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form Document No.: F-FL-C-007 rev. 13	Document Revised: May 30, 2018 Issuing Authority: Pace Florida Quality Office

rm (SCUR)

WO# : 35484872

PM: TSR Due Date: 08/01/19

CLIENT: SHAJAX

Projec

Project Manag

Clien

Date and Initials of person:

Examining contents: _____

Label: _____

Deliver: _____

pH: _____

Thermometer Used: T-349 Date: 7/26/19 Time: 00:36 Initials: JMT

State of Origin: _____ ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	3.3 (Visual)	.1 (Correction Factor)	3.1 (Actual)	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ 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 Dry 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	☒Yes ☐ No ☐N/A	
Chain of Custody Filled Out	☒Yes ☐ No ☐N/A	
Relinquished Signature & Sampler Name COC	☐Yes ☒ No ☐N/A	
Samples Arrived within Hold Time	☒Yes ☐ No ☐N/A	
Rush TAT requested on COC	☒Yes ☐ No ☐N/A	3 day
Sufficient Volume	☒Yes ☐ No ☐N/A	
Correct Containers Used	☒Yes ☐ No ☐N/A	
Containers Intact	☒Yes ☐ No ☐N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☒Yes ☐ No ☐N/A	
All containers needing acid/base preservation have been checked.	☐Yes ☐ No ☒N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐Yes ☐ No ☒N/A	Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
Headspace in VOA Vials? (>6mm):	☐Yes ☐ No ☒N/A	
Trip Blank Present:	☐Yes ☐ No ☒N/A	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments): TAT on C.C says June 26th 2019

Project Manager Review: _____ Date: _____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

July 31, 2019

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP
Pace Project No.: 35485238

Dear Mr. Dever:
Enclosed are the analytical results for sample(s) received by the laboratory on July 26, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Mr. William Mahler, APTIM-Environmental & Infrastructure, Inc.

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CERTIFICATIONS

Project: JEA SJRPP
Pace Project No.: 35485238

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
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
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
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: JEA SJRPP
Pace Project No.: 35485238

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35485238001	**CYSB1B-SB3-02**	Solid	07/26/19 14:49	07/26/19 17:00
35485238002	**CYSB1B-SB4-02**	Solid	07/26/19 14:55	07/26/19 17:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP
Pace Project No.: 35485238

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35485238001	**CYSB1B-SB3-02**	EPA 6010	LEC	11	PASI-O
		EPA 7471	CS2	1	PASI-O
		ASTM D2974-87	CLT	1	PASI-O
35485238002	**CYSB1B-SB4-02**	EPA 6010	LEC	11	PASI-O
		EPA 7471	CS2	1	PASI-O
		ASTM D2974-87	CLT	1	PASI-O

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SUMMARY OF DETECTION

Project: JEA SJRPP
Pace Project No.: 35485238

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35485238001	**CYSB1B-SB3-02**					
EPA 6010	Arsenic	0.39 I	mg/kg	0.74	07/31/19 00:31	
EPA 6010	Barium	3.9	mg/kg	0.74	07/31/19 00:31	
EPA 6010	Chromium	1.1	mg/kg	0.37	07/31/19 00:31	
EPA 6010	Lead	0.84	mg/kg	0.74	07/31/19 00:31	
EPA 6010	Nickel	0.23 I	mg/kg	0.37	07/31/19 00:31	
EPA 6010	Vanadium	0.80	mg/kg	0.74	07/31/19 00:31	
ASTM D2974-87	Percent Moisture	24.2	%	0.10	07/30/19 10:33	
35485238002	**CYSB1B-SB4-02**					
EPA 6010	Arsenic	0.38 I	mg/kg	0.73	07/31/19 00:49	
EPA 6010	Barium	4.2	mg/kg	0.73	07/31/19 00:49	
EPA 6010	Chromium	2.8	mg/kg	0.37	07/31/19 00:49	
EPA 6010	Lead	1.3	mg/kg	0.73	07/31/19 00:49	
EPA 6010	Nickel	0.47	mg/kg	0.37	07/31/19 00:49	
EPA 6010	Vanadium	1.7	mg/kg	0.73	07/31/19 00:49	
ASTM D2974-87	Percent Moisture	21.6	%	0.10	07/30/19 10:34	

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35485238

Sample: CYSB1B-SB3-02 **Lab ID: 35485238001** Collected: 07/26/19 14:49 Received: 07/26/19 17:00 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								
Arsenic	**0.39 I**	mg/kg	0.74	0.37	1	07/30/19 08:00	07/31/19 00:31	7440-38-2	
Barium	**3.9**	mg/kg	0.74	0.37	1	07/30/19 08:00	07/31/19 00:31	7440-39-3	
Boron	**1.9 U**	mg/kg	3.7	1.9	1	07/30/19 08:00	07/31/19 00:31	7440-42-8	
Cadmium	**0.037 U**	mg/kg	0.074	0.037	1	07/30/19 08:00	07/31/19 00:31	7440-43-9	
Chromium	**1.1**	mg/kg	0.37	0.19	1	07/30/19 08:00	07/31/19 00:31	7440-47-3	
Lead	**0.84**	mg/kg	0.74	0.37	1	07/30/19 08:00	07/31/19 00:31	7439-92-1	
Molybdenum	**0.37 U**	mg/kg	0.74	0.37	1	07/30/19 08:00	07/31/19 00:31	7439-98-7	
Nickel	**0.23 I**	mg/kg	0.37	0.19	1	07/30/19 08:00	07/31/19 00:31	7440-02-0	
Selenium	**0.56 U**	mg/kg	1.1	0.56	1	07/30/19 08:00	07/31/19 00:31	7782-49-2	
Silver	**0.19 U**	mg/kg	0.37	0.19	1	07/30/19 08:00	07/31/19 00:31	7440-22-4	
Vanadium	**0.80**	mg/kg	0.74	0.37	1	07/30/19 08:00	07/31/19 00:31	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0055 U**	mg/kg	0.011	0.0055	1	07/30/19 12:50	07/31/19 11:37	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**24.2**	%	0.10	0.10	1		07/30/19 10:33		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35485238

Sample: CYSB1B-SB4-02 **Lab ID: 35485238002** Collected: 07/26/19 14:55 Received: 07/26/19 17:00 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								
Arsenic	**0.38 I**	mg/kg	0.73	0.37	1	07/30/19 08:00	07/31/19 00:49	7440-38-2	
Barium	**4.2**	mg/kg	0.73	0.37	1	07/30/19 08:00	07/31/19 00:49	7440-39-3	
Boron	**1.8 U**	mg/kg	3.7	1.8	1	07/30/19 08:00	07/31/19 00:49	7440-42-8	
Cadmium	**0.037 U**	mg/kg	0.073	0.037	1	07/30/19 08:00	07/31/19 00:49	7440-43-9	
Chromium	**2.8**	mg/kg	0.37	0.18	1	07/30/19 08:00	07/31/19 00:49	7440-47-3	
Lead	**1.3**	mg/kg	0.73	0.37	1	07/30/19 08:00	07/31/19 00:49	7439-92-1	
Molybdenum	**0.37 U**	mg/kg	0.73	0.37	1	07/30/19 08:00	07/31/19 00:49	7439-98-7	
Nickel	**0.47**	mg/kg	0.37	0.18	1	07/30/19 08:00	07/31/19 00:49	7440-02-0	
Selenium	**0.55 U**	mg/kg	1.1	0.55	1	07/30/19 08:00	07/31/19 00:49	7782-49-2	
Silver	**0.18 U**	mg/kg	0.37	0.18	1	07/30/19 08:00	07/31/19 00:49	7440-22-4	
Vanadium	**1.7**	mg/kg	0.73	0.37	1	07/30/19 08:00	07/31/19 00:49	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0058 U**	mg/kg	0.012	0.0058	1	07/30/19 12:50	07/31/19 11:52	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**21.6**	%	0.10	0.10	1		07/30/19 10:34		

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35485238

QC Batch: 558154 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 35485238001, 35485238002

METHOD BLANK: 3028986 Matrix: Solid
Associated Lab Samples: 35485238001, 35485238002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0044 U	0.0088	0.0044	07/31/19 11:33	

LABORATORY CONTROL SAMPLE: 3028988

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.09	0.086	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3028989 3028990

Parameter	Units	35485238001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.0055 U	0.11	0.11	0.12	0.11	104	103	80-120	8	20	

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

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35485238

QC Batch: 558043 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
Associated Lab Samples: 35485238001, 35485238002

METHOD BLANK: 3028444 Matrix: Solid
Associated Lab Samples: 35485238001, 35485238002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.30 U	0.59	0.30	07/31/19 00:22	
Barium	mg/kg	0.30 U	0.59	0.30	07/31/19 00:22	
Boron	mg/kg	1.5 U	3.0	1.5	07/31/19 00:22	
Cadmium	mg/kg	0.030 U	0.059	0.030	07/31/19 00:22	
Chromium	mg/kg	0.15 U	0.30	0.15	07/31/19 00:22	
Lead	mg/kg	0.30 U	0.59	0.30	07/31/19 00:22	
Molybdenum	mg/kg	0.30 U	0.59	0.30	07/31/19 00:22	
Nickel	mg/kg	0.15 U	0.30	0.15	07/31/19 00:22	
Selenium	mg/kg	0.45 U	0.89	0.45	07/31/19 00:22	
Silver	mg/kg	0.15 U	0.30	0.15	07/31/19 00:22	
Vanadium	mg/kg	0.30 U	0.59	0.30	07/31/19 00:22	

LABORATORY CONTROL SAMPLE: 3028445

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	14.4	13.2	91	80-120	
Barium	mg/kg	14.4	13.8	96	80-120	
Boron	mg/kg	72.2	66.2	92	80-120	
Cadmium	mg/kg	1.4	1.4	96	80-120	
Chromium	mg/kg	14.4	14.3	99	80-120	
Lead	mg/kg	14.4	14.2	98	80-120	
Molybdenum	mg/kg	14.4	14.3	99	80-120	
Nickel	mg/kg	14.4	14.4	100	80-120	
Selenium	mg/kg	14.4	13.0	90	80-120	
Silver	mg/kg	1.4	1.4	94	80-120	
Vanadium	mg/kg	14.4	14.3	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3028446 3028447

Parameter	Units	35485238001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	0.39 I	16.5	17.6	14.4	15.9	85	88	75-125	9	20	
Barium	mg/kg	3.9	16.5	17.6	21.1	21.4	105	100	75-125	2	20	
Boron	mg/kg	1.9 U	82.2	87.5	72.7	79.8	88	91	75-125	9	20	
Cadmium	mg/kg	0.037 U	1.6	1.7	1.5	1.7	93	95	75-125	8	20	
Chromium	mg/kg	1.1	16.5	17.6	17.6	18.6	100	100	75-125	6	20	
Lead	mg/kg	0.84	16.5	17.6	16.8	18.1	97	99	75-125	8	20	
Molybdenum	mg/kg	0.37 U	16.5	17.6	15.6	16.9	95	96	75-125	8	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35485238

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3028446 3028447

Parameter	Units	35485238001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nickel	mg/kg	0.23 I	16.5	17.6	16.3	17.6	97	99	75-125	8	20	
Selenium	mg/kg	0.56 U	16.5	17.6	14.1	15.6	86	89	75-125	10	20	
Silver	mg/kg	0.19 U	1.6	1.7	1.5	1.6	92	90	75-125	4	20	
Vanadium	mg/kg	0.80	16.5	17.6	17.2	18.3	100	100	75-125	6	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35485238

QC Batch: 558118 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 35485238001, 35485238002

SAMPLE DUPLICATE: 3028791

Parameter	Units	35484873001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.9	9.8	1	10	

SAMPLE DUPLICATE: 3028792

Parameter	Units	35484981001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	11.1	10	11	10	J(D6)

SAMPLE DUPLICATE: 3028793

Parameter	Units	35485310050 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	11.2	11.4	2	10	

SAMPLE DUPLICATE: 3028794

Parameter	Units	35484988026 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	27.0	27.4	1	10	

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(386)672-5668

QUALIFIERS

Project: JEA SJRPP
Pace Project No.: 35485238

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

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Ormond Beach, FL 32174
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP
Pace Project No.: 35485238

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35485238001	**CYSB1B-SB3-02**	EPA 3050	558043	EPA 6010	558131
35485238002	**CYSB1B-SB4-02**	EPA 3050	558043	EPA 6010	558131
35485238001	**CYSB1B-SB3-02**	EPA 7471	558154	EPA 7471	558245
35485238002	**CYSB1B-SB4-02**	EPA 7471	558154	EPA 7471	558245
35485238001	**CYSB1B-SB3-02**	ASTM D2974-87	558118		
35485238002	**CYSB1B-SB4-02**	ASTM D2974-87	558118		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 35485238

35485238

LAB I ... Number or

Company: APTIM Environmental & Infrastructure, Inc.	Billing Information:
Address: 1228 Winter Garden Vineland Rd. Winter Garden, FL 34787	
Report To: Greg Dever	Email To: greg.dever@aptim.com
Copy To: Chuck Bursich charles.bursich@aptim.com	Site Collection Info/Address: Coal Pile Runoff Pond 1B (1'-2' intervals)
Customer Project Name/Number: JEA SJRPP	State: FL / County/City: JAX / Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET
Phone: 407-466-6895 Email: greg.dever@aptim.com	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Chuck Bursich	Purchase Order # : Quote #: / DW PWS ID #: DW Location Code:
Collected By (signature): CHB	Turnaround Date Required: 7/31/19 / Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [X] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [X] No Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	RCRA 8 Metals (6010 / 7471)	Boron (6010)	Molybdenum (6010)	Nickel (6010)	Vanadium (6010)
CYSB1B-SB3-02	SL	Comp	7.26.19	14:49	7.26.19	14:50		1	X	X	X	X	X
CYSB1B-SB4-02	SL	Comp	7.26.19	14:55	7.26-19	14:57		1	X	X	X	X	X

Container Preservative Type **

U		U		U	U		U	

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:
Custody Seals Present/Intact Y N NA
Custody Signatures Present Y N NA
Collector Signature Present Y N NA
Bottles Intact Y N NA
Correct Bottles Y N NA
Sufficient Volume Y N NA
Samples Received on Ice Y N NA
VOA - Headspace Acceptable Y N NA
USDA Regulated Soils Y N NA
Samples in Holding Time Y N NA
Residual Chlorine Present Y N NA
Cl Strips: _____
Sample pH Acceptable Y N NA
pH Strips: _____
Sulfide Present Y N NA
Lead Acetate Strips: _____

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

10649 - 3

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours) : Y N N/A

Lab Tracking #:

Samples received via:
FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: ___oC
Cooler 1 Therm Corr. Factor: ___oC
Cooler 1 Corrected Temp: ___oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	7/26/19 17:00		7/26/19 17:00
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
TORSR/PACE	7/26/19 1700	FLX COURIER	7/29/19 1700
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
FLX COURIER		JMT	7/27/19 1405

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form Document No.: F-FL-C-007 rev. 13	Document Revised: May 30, 2018 Issuing Authority: Pace Florida Quality Office

(CUR)

WO# : 35485238

PM: TSR Due Date: 08/02/19

CLIENT: SHAJAX

Project #

Project Manager:

Client:

Date and Initials of person:

Examining contents:

Label:

Deliver:

pH:

Thermometer Used: T-337 Date: 2/22 Time: 4:10 Initials: JMT

State of Origin: ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	5.0 (Visual)	+.3 (Correction Factor)	5.3 (Actual)	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ 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 Dry 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	☑ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☑ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☑ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☑ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☑ Yes ☐ No ☐ N/A	3 DAY
Sufficient Volume	☑ Yes ☐ No ☐ N/A	
Correct Containers Used	☑ Yes ☐ No ☐ N/A	
Containers Intact	☑ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☐ Yes ☐ No ☑ N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐ Yes ☐ No ☑ N/A	Preservative: Lot #/Trace #: Date: Time: Initials:
Headspace in VOA Vials? (>6mm):	☐ Yes ☐ No ☑ N/A	
Trip Blank Present:	☐ Yes ☐ No ☑ N/A	

Client Notification/ Resolution:

Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

August 21, 2019

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP
Pace Project No.: 35490554

Dear Mr. Dever:
Enclosed are the analytical results for sample(s) received by the laboratory on August 16, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Mr. Charles Bursich, APTIM-Environmental & Infrastructure, Inc.
Mr. Shane Yenchi, APTIM-Environmental & Infrastructure, Inc.

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CERTIFICATIONS

Project: JEA SJRPP
Pace Project No.: 35490554

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
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
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
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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Ormond Beach, FL 32174
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SAMPLE SUMMARY

Project: JEA SJRPP
Pace Project No.: 35490554

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35490554001	**CYSB1B-SB5-02**	Solid	08/15/19 09:25	08/16/19 00:30
35490554002	**CYSB1B-SB6-02**	Solid	08/15/19 09:35	08/16/19 00:30
35490554003	**CYSB1B-SB7-02**	Solid	08/15/19 09:45	08/16/19 00:30
35490554005	**CYSB1B-SB8-02**	Solid	08/15/19 09:55	08/16/19 00:30

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP
Pace Project No.: 35490554

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35490554001	**CYSB1B-SB5-02**	EPA 6010	LEC	11	PASI-O
		EPA 7471	NMP	1	PASI-O
		ASTM D2974-87	CLT	1	PASI-O
35490554002	**CYSB1B-SB6-02**	EPA 6010	LEC	11	PASI-O
		EPA 7471	NMP	1	PASI-O
		ASTM D2974-87	CLT	1	PASI-O
35490554003	**CYSB1B-SB7-02**	EPA 6010	LEC	11	PASI-O
		EPA 7471	NMP	1	PASI-O
		ASTM D2974-87	CLT	1	PASI-O
35490554005	**CYSB1B-SB8-02**	EPA 6010	LEC	11	PASI-O
		EPA 7471	NMP	1	PASI-O
		ASTM D2974-87	CLT	1	PASI-O

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SUMMARY OF DETECTION

Project: JEA SJRPP
Pace Project No.: 35490554

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35490554001	**CYSB1B-SB5-02**					
EPA 6010	Barium	5.1	mg/kg	0.75	08/21/19 13:57	
EPA 6010	Chromium	3.8	mg/kg	0.37	08/21/19 13:57	
EPA 6010	Lead	2.1	mg/kg	0.75	08/21/19 13:57	
EPA 6010	Nickel	0.49	mg/kg	0.37	08/21/19 13:57	
EPA 6010	Vanadium	2.3	mg/kg	0.75	08/21/19 13:57	
ASTM D2974-87	Percent Moisture	17.8	%	0.10	08/16/19 09:09	
35490554002	**CYSB1B-SB6-02**					
EPA 6010	Barium	16.3	mg/kg	0.76	08/21/19 14:24	
EPA 6010	Boron	2.6 I	mg/kg	3.8	08/21/19 14:24	
EPA 6010	Chromium	7.7	mg/kg	0.38	08/21/19 14:24	
EPA 6010	Lead	4.3	mg/kg	0.76	08/21/19 14:24	
EPA 6010	Molybdenum	0.40 I	mg/kg	0.76	08/21/19 14:24	
EPA 6010	Nickel	1.3	mg/kg	0.38	08/21/19 14:24	
EPA 6010	Vanadium	6.6	mg/kg	0.76	08/21/19 14:24	
EPA 7471	Mercury	0.0056 I	mg/kg	0.011	08/21/19 16:57	
ASTM D2974-87	Percent Moisture	17.6	%	0.10	08/16/19 09:09	
35490554003	**CYSB1B-SB7-02**					
EPA 6010	Barium	12.4	mg/kg	0.72	08/21/19 14:29	
EPA 6010	Boron	2.8 I	mg/kg	3.6	08/21/19 14:29	
EPA 6010	Chromium	6.4	mg/kg	0.36	08/21/19 14:29	
EPA 6010	Lead	3.7	mg/kg	0.72	08/21/19 14:29	
EPA 6010	Nickel	1.4	mg/kg	0.36	08/21/19 14:29	
EPA 6010	Vanadium	4.5	mg/kg	0.72	08/21/19 14:29	
EPA 7471	Mercury	0.0073 I	mg/kg	0.011	08/21/19 13:47	
ASTM D2974-87	Percent Moisture	15.8	%	0.10	08/16/19 09:09	
35490554005	**CYSB1B-SB8-02**					
EPA 6010	Barium	4.6	mg/kg	0.74	08/21/19 14:34	
EPA 6010	Chromium	2.4	mg/kg	0.37	08/21/19 14:34	
EPA 6010	Lead	1.5	mg/kg	0.74	08/21/19 14:34	
EPA 6010	Nickel	0.57	mg/kg	0.37	08/21/19 14:34	
EPA 6010	Vanadium	1.8	mg/kg	0.74	08/21/19 14:34	
EPA 7471	Mercury	0.0058 I	mg/kg	0.012	08/21/19 14:06	
ASTM D2974-87	Percent Moisture	18.3	%	0.10	08/16/19 09:09	

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35490554

Sample: CYSB1B-SB5-02 **Lab ID: 35490554001** Collected: 08/15/19 09:25 Received: 08/16/19 00:30 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								
Arsenic	**0.37 U**	mg/kg	0.75	0.37	1	08/20/19 16:37	08/21/19 13:57	7440-38-2	
Barium	**5.1**	mg/kg	0.75	0.37	1	08/20/19 16:37	08/21/19 13:57	7440-39-3	
Boron	**1.9 U**	mg/kg	3.7	1.9	1	08/20/19 16:37	08/21/19 13:57	7440-42-8	
Cadmium	**0.037 U**	mg/kg	0.075	0.037	1	08/20/19 16:37	08/21/19 13:57	7440-43-9	
Chromium	**3.8**	mg/kg	0.37	0.19	1	08/20/19 16:37	08/21/19 13:57	7440-47-3	
Lead	**2.1**	mg/kg	0.75	0.37	1	08/20/19 16:37	08/21/19 13:57	7439-92-1	
Molybdenum	**0.37 U**	mg/kg	0.75	0.37	1	08/20/19 16:37	08/21/19 13:57	7439-98-7	
Nickel	**0.49**	mg/kg	0.37	0.19	1	08/20/19 16:37	08/21/19 13:57	7440-02-0	
Selenium	**0.56 U**	mg/kg	1.1	0.56	1	08/20/19 16:37	08/21/19 13:57	7782-49-2	
Silver	**0.19 U**	mg/kg	0.37	0.19	1	08/20/19 16:37	08/21/19 13:57	7440-22-4	
Vanadium	**2.3**	mg/kg	0.75	0.37	1	08/20/19 16:37	08/21/19 13:57	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0055 U**	mg/kg	0.011	0.0055	1	08/21/19 10:35	08/21/19 13:42	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.8**	%	0.10	0.10	1		08/16/19 09:09		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35490554

Sample: CYSB1B-SB6-02 **Lab ID: 35490554002** Collected: 08/15/19 09:35 Received: 08/16/19 00:30 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								
Arsenic	**0.38 U**	mg/kg	0.76	0.38	1	08/20/19 16:37	08/21/19 14:24	7440-38-2	
Barium	**16.3**	mg/kg	0.76	0.38	1	08/20/19 16:37	08/21/19 14:24	7440-39-3	
Boron	**2.6 I**	mg/kg	3.8	1.9	1	08/20/19 16:37	08/21/19 14:24	7440-42-8	
Cadmium	**0.038 U**	mg/kg	0.076	0.038	1	08/20/19 16:37	08/21/19 14:24	7440-43-9	
Chromium	**7.7**	mg/kg	0.38	0.19	1	08/20/19 16:37	08/21/19 14:24	7440-47-3	
Lead	**4.3**	mg/kg	0.76	0.38	1	08/20/19 16:37	08/21/19 14:24	7439-92-1	
Molybdenum	**0.40 I**	mg/kg	0.76	0.38	1	08/20/19 16:37	08/21/19 14:24	7439-98-7	
Nickel	**1.3**	mg/kg	0.38	0.19	1	08/20/19 16:37	08/21/19 14:24	7440-02-0	
Selenium	**0.57 U**	mg/kg	1.1	0.57	1	08/20/19 16:37	08/21/19 14:24	7782-49-2	
Silver	**0.19 U**	mg/kg	0.38	0.19	1	08/20/19 16:37	08/21/19 14:24	7440-22-4	
Vanadium	**6.6**	mg/kg	0.76	0.38	1	08/20/19 16:37	08/21/19 14:24	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0056 I**	mg/kg	0.011	0.0056	1	08/21/19 10:35	08/21/19 16:57	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**17.6**	%	0.10	0.10	1		08/16/19 09:09		

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35490554

Sample: CYSB1B-SB7-02 **Lab ID: 35490554003** Collected: 08/15/19 09:45 Received: 08/16/19 00:30 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								
Arsenic	**0.36 U**	mg/kg	0.72	0.36	1	08/20/19 16:37	08/21/19 14:29	7440-38-2	
Barium	**12.4**	mg/kg	0.72	0.36	1	08/20/19 16:37	08/21/19 14:29	7440-39-3	
Boron	**2.8 I**	mg/kg	3.6	1.8	1	08/20/19 16:37	08/21/19 14:29	7440-42-8	
Cadmium	**0.036 U**	mg/kg	0.072	0.036	1	08/20/19 16:37	08/21/19 14:29	7440-43-9	
Chromium	**6.4**	mg/kg	0.36	0.18	1	08/20/19 16:37	08/21/19 14:29	7440-47-3	
Lead	**3.7**	mg/kg	0.72	0.36	1	08/20/19 16:37	08/21/19 14:29	7439-92-1	
Molybdenum	**0.36 U**	mg/kg	0.72	0.36	1	08/20/19 16:37	08/21/19 14:29	7439-98-7	
Nickel	**1.4**	mg/kg	0.36	0.18	1	08/20/19 16:37	08/21/19 14:29	7440-02-0	
Selenium	**0.54 U**	mg/kg	1.1	0.54	1	08/20/19 16:37	08/21/19 14:29	7782-49-2	
Silver	**0.18 U**	mg/kg	0.36	0.18	1	08/20/19 16:37	08/21/19 14:29	7440-22-4	
Vanadium	**4.5**	mg/kg	0.72	0.36	1	08/20/19 16:37	08/21/19 14:29	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0073 I**	mg/kg	0.011	0.0056	1	08/21/19 10:35	08/21/19 13:47	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**15.8**	%	0.10	0.10	1		08/16/19 09:09		

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35490554

Sample: CYSB1B-SB8-02 **Lab ID: 35490554005** Collected: 08/15/19 09:55 Received: 08/16/19 00:30 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								
Arsenic	**0.37 U**	mg/kg	0.74	0.37	1	08/20/19 16:37	08/21/19 14:34	7440-38-2	
Barium	**4.6**	mg/kg	0.74	0.37	1	08/20/19 16:37	08/21/19 14:34	7440-39-3	
Boron	**1.9 U**	mg/kg	3.7	1.9	1	08/20/19 16:37	08/21/19 14:34	7440-42-8	
Cadmium	**0.037 U**	mg/kg	0.074	0.037	1	08/20/19 16:37	08/21/19 14:34	7440-43-9	
Chromium	**2.4**	mg/kg	0.37	0.19	1	08/20/19 16:37	08/21/19 14:34	7440-47-3	
Lead	**1.5**	mg/kg	0.74	0.37	1	08/20/19 16:37	08/21/19 14:34	7439-92-1	
Molybdenum	**0.37 U**	mg/kg	0.74	0.37	1	08/20/19 16:37	08/21/19 14:34	7439-98-7	
Nickel	**0.57**	mg/kg	0.37	0.19	1	08/20/19 16:37	08/21/19 14:34	7440-02-0	
Selenium	**0.56 U**	mg/kg	1.1	0.56	1	08/20/19 16:37	08/21/19 14:34	7782-49-2	
Silver	**0.19 U**	mg/kg	0.37	0.19	1	08/20/19 16:37	08/21/19 14:34	7440-22-4	
Vanadium	**1.8**	mg/kg	0.74	0.37	1	08/20/19 16:37	08/21/19 14:34	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0058 I**	mg/kg	0.012	0.0058	1	08/21/19 10:35	08/21/19 14:06	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**18.3**	%	0.10	0.10	1		08/16/19 09:09		

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35490554

QC Batch: 564376 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 35490554001, 35490554002, 35490554003, 35490554005

METHOD BLANK: 3064979 Matrix: Solid
Associated Lab Samples: 35490554001, 35490554002, 35490554003, 35490554005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0048 U	0.0096	0.0048	08/21/19 13:26	

LABORATORY CONTROL SAMPLE: 3064980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.098	0.097	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3064981 3064982

Parameter	Units	35490225001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.081	0.099	0.1	0.14	0.16	60	75	80-120	12	20	J(M1)

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35490554

QC Batch: 564186 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
Associated Lab Samples: 35490554001, 35490554002, 35490554003, 35490554005

METHOD BLANK: 3063576 Matrix: Solid
Associated Lab Samples: 35490554001, 35490554002, 35490554003, 35490554005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.31 U	0.62	0.31	08/21/19 13:47	
Barium	mg/kg	0.31 U	0.62	0.31	08/21/19 13:47	
Boron	mg/kg	1.5 U	3.1	1.5	08/21/19 13:47	
Cadmium	mg/kg	0.031 U	0.062	0.031	08/21/19 13:47	
Chromium	mg/kg	0.15 U	0.31	0.15	08/21/19 13:47	
Lead	mg/kg	0.31 U	0.62	0.31	08/21/19 13:47	
Molybdenum	mg/kg	0.31 U	0.62	0.31	08/21/19 13:47	
Nickel	mg/kg	0.15 U	0.31	0.15	08/21/19 13:47	
Selenium	mg/kg	0.46 U	0.93	0.46	08/21/19 13:47	
Silver	mg/kg	0.15 U	0.31	0.15	08/21/19 13:47	
Vanadium	mg/kg	0.31 U	0.62	0.31	08/21/19 13:47	

LABORATORY CONTROL SAMPLE: 3063577

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	15.1	13.0	86	80-120	
Barium	mg/kg	15.1	14.4	95	80-120	
Boron	mg/kg	75.7	64.9	86	80-120	
Cadmium	mg/kg	1.5	1.4	91	80-120	
Chromium	mg/kg	15.1	15.1	100	80-120	
Lead	mg/kg	15.1	14.6	96	80-120	
Molybdenum	mg/kg	15.1	14.3	94	80-120	
Nickel	mg/kg	15.1	14.6	97	80-120	
Selenium	mg/kg	15.1	12.7	84	80-120	
Silver	mg/kg	1.5	1.3	89	80-120	
Vanadium	mg/kg	15.1	15.0	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3063578 3063579

Parameter	Units	35490554001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	0.37 U	18.8	18.4	15.7	15.0	83	81	75-125	5	20	
Barium	mg/kg	5.1	18.8	18.4	25.9	23.2	110	98	75-125	11	20	
Boron	mg/kg	1.9 U	94.1	91.7	82.5	79.4	86	85	75-125	4	20	
Cadmium	mg/kg	0.037 U	1.8	1.8	1.7	1.7	93	91	75-125	5	20	
Chromium	mg/kg	3.8	18.8	18.4	25.0	22.1	113	100	75-125	12	20	
Lead	mg/kg	2.1	18.8	18.4	20.9	19.5	100	95	75-125	7	20	
Molybdenum	mg/kg	0.37 U	18.8	18.4	17.3	16.7	91	90	75-125	3	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35490554

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3063578 3063579

Parameter	Units	35490554001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nickel	mg/kg	0.49	18.8	18.4	19.4	18.3	101	97	75-125	6	20	
Selenium	mg/kg	0.56 U	18.8	18.4	15.8	15.1	81	79	75-125	5	20	
Silver	mg/kg	0.19 U	1.8	1.8	1.6	1.6	84	85	75-125	2	20	
Vanadium	mg/kg	2.3	18.8	18.4	23.1	20.9	110	102	75-125	10	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35490554

QC Batch: 563139 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 35490554001, 35490554002, 35490554003, 35490554005

SAMPLE DUPLICATE: 3057686

Parameter	Units	35488158006 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.1	15.6	17	10	J(D6)

SAMPLE DUPLICATE: 3057687

Parameter	Units	35490432002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.8	9.4	5	10	

SAMPLE DUPLICATE: 3057688

Parameter	Units	35490117005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.8	7.9	0	10	

SAMPLE DUPLICATE: 3057689

Parameter	Units	35489459002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	32.8	32.2	2	10	

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QUALIFIERS

Project: JEA SJRPP
Pace Project No.: 35490554

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP
Pace Project No.: 35490554

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35490554001	**CYSB1B-SB5-02**	EPA 3050	564186	EPA 6010	564250
35490554002	**CYSB1B-SB6-02**	EPA 3050	564186	EPA 6010	564250
35490554003	**CYSB1B-SB7-02**	EPA 3050	564186	EPA 6010	564250
35490554005	**CYSB1B-SB8-02**	EPA 3050	564186	EPA 6010	564250
35490554001	**CYSB1B-SB5-02**	EPA 7471	564376	EPA 7471	564498
35490554002	**CYSB1B-SB6-02**	EPA 7471	564376	EPA 7471	564498
35490554003	**CYSB1B-SB7-02**	EPA 7471	564376	EPA 7471	564498
35490554005	**CYSB1B-SB8-02**	EPA 7471	564376	EPA 7471	564498
35490554001	**CYSB1B-SB5-02**	ASTM D2974-87	563139		
35490554002	**CYSB1B-SB6-02**	ASTM D2974-87	563139		
35490554003	**CYSB1B-SB7-02**	ASTM D2974-87	563139		
35490554005	**CYSB1B-SB8-02**	ASTM D2974-87	563139		

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CHAIN-OF-CUSTODY Analytical Request Docume

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 35490554

35490554

Company: APTIM Environmental & Infrastructure, Inc.	Billing Information:
Address: 1228 Winter Garden Vineland Rd. Winter Garden, FL 34787	
Report To: Greg Dever	Email To: greg.dever@aptim.com
Copy To: Chuck Bursich & Shane Yenchi charles.bursich@aptim.com &	Site Collection Info/Address: Coal Pile Runoff Pond 1B (1'-2' intervals)
Customer Project Name/Number: JEA SJRPP	State: FL / County/City: JAX / Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET
Phone: 407-466-6895 Email: greg.dever@aptim.com	Site/Facility ID #:
Collected By (print): Chuck Bursich	Purchase Order # : Quote #:
Collected By (signature):	Turnaround Date Required:
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [X] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)

Compliance Monitoring? [ ] Yes [X] No

DW PWS ID #:

DW Location Code:

Immediately Packed on Ice: [X] Yes [ ] No

Field Filtered (if applicable): [ ] Yes [X] No

Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	RCRA 8 Metals (6010 / 7471)	Boron (6010)	Molybdenum (6010)	Nickel (6010)	Vanadium (6010)
CYSB1B-SB5-02	SL	Comp	8/15/19	0925				1	x	x	x	x	x
CYSB1B-SB6-02	SL	Comp	8/15/19	0935				1	x	x	x	x	x
CYSB1B-SB7-02	SL	Comp	8/15/19	0945				1	x	x	x	x	x
CYSB1B-SB8-02	SL	Comp	8/15/19	0955				1	x	x	x	x	x

U U U U U

Todd Rea

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

10649-3

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours) : Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: ___oC
Cooler 1 Therm Corr. Factor: ___oC
Cooler 1 Corrected Temp: ___oC
Comments:

Relinquished by/Company: (Signature)	Date/Time: 8-15-19 1630	Received by/Company: (Signature) PACE	Date/Time: 8/15/19 1630	MTJL LAB USE ONLY Table #:
Relinquished by/Company: (Signature) PACE	Date/Time: 8/15/19 1700	Received by/Company: (Signature) FOX	Date/Time: 8/15/19 1700	Acctnum: Template: Prelogin:
Relinquished by/Company: (Signature) FOX	Date/Time:	Received by/Company: (Signature) JMT	Date/Time: 8/15/19 0030	PM: PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # WO# : 35490554

Project Manager: PM: TSR Due Date: 08/18/19

Client: CLIENT: SHAJAX

te and Initials of person:
imining contents:
el:
iver:

Thermometer Used: T-349 Date: 01/10/19 Time: 00:38 Initials: JM

State of Origin: ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	2.1 (Visual)	2.1 (Correction Factor)	2.2 (Actual)	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ 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 Dry 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	☑ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☑ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☑ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☑ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☑ Yes ☐ No ☐ N/A	3 Day
Sufficient Volume	☑ Yes ☐ No ☐ N/A	
Correct Containers Used	☑ Yes ☐ No ☐ N/A	
Containers Intact	☑ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☐ Yes ☐ No ☑ N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐ Yes ☐ No ☑ N/A	Preservative: Lot #/Trace #: Date: Time: Initials:
Headspace in VOA Vials? (>6mm):	☐ Yes ☐ No ☑ N/A	
Trip Blank Present:	☐ Yes ☑ No ☐ N/A	

Client Notification/ Resolution:

Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

August 21, 2019

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP
Pace Project No.: 35491004

Dear Mr. Dever:
Enclosed are the analytical results for sample(s) received by the laboratory on August 16, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Mr. Charles Bursich, APTIM-Environmental & Infrastructure, Inc.
Mr. Shane Yenchi, APTIM-Environmental & Infrastructure, Inc.

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CERTIFICATIONS

Project: JEA SJRPP
Pace Project No.: 35491004

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
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
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
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: JEA SJRPP
Pace Project No.: 35491004

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35491004001	**CYSB-1B-SB9-02**	Solid	08/16/19 10:30	08/16/19 15:48
35491004002	**CYSB-1B-SB10-02**	Solid	08/16/19 13:00	08/16/19 15:48
35491004003	**CYSB-1B-SB11-02**	Solid	08/16/19 14:25	08/16/19 15:48
35491004004	**CYSB-1B-SB12-02**	Solid	08/16/19 14:35	08/16/19 15:48

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP
Pace Project No.: 35491004

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35491004001	**CYSB-1B-SB9-02**	EPA 6010	LEC	11	PASI-O
		EPA 7471	NMP	1	PASI-O
		ASTM D2974-87	CLT	1	PASI-O
35491004002	**CYSB-1B-SB10-02**	EPA 6010	LEC	11	PASI-O
		EPA 7471	NMP	1	PASI-O
		ASTM D2974-87	CLT	1	PASI-O
35491004003	**CYSB-1B-SB11-02**	EPA 6010	LEC	11	PASI-O
		EPA 7471	NMP	1	PASI-O
		ASTM D2974-87	CLT	1	PASI-O
35491004004	**CYSB-1B-SB12-02**	EPA 6010	LEC	11	PASI-O
		EPA 7471	NMP	1	PASI-O
		ASTM D2974-87	CLT	1	PASI-O

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SUMMARY OF DETECTION

Project: JEA SJRPP
Pace Project No.: 35491004

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35491004001	**CYSB-1B-SB9-02**					
EPA 6010	Barium	12.2	mg/kg	0.57	08/20/19 21:17	
EPA 6010	Boron	1.8 I	mg/kg	2.8	08/20/19 21:17	
EPA 6010	Chromium	3.3	mg/kg	0.28	08/20/19 21:17	
EPA 6010	Lead	2.7	mg/kg	0.57	08/20/19 21:17	
EPA 6010	Nickel	1.0	mg/kg	0.28	08/20/19 21:17	
EPA 6010	Vanadium	2.8	mg/kg	0.57	08/20/19 21:17	
EPA 7471	Mercury	0.0086 I	mg/kg	0.011	08/21/19 14:09	
ASTM D2974-87	Percent Moisture	12.6	%	0.10	08/19/19 09:42	
35491004002	**CYSB-1B-SB10-02**					
EPA 6010	Barium	6.0	mg/kg	0.71	08/20/19 21:21	
EPA 6010	Chromium	1.6	mg/kg	0.35	08/20/19 21:21	
EPA 6010	Lead	1.5	mg/kg	0.71	08/20/19 21:21	
EPA 6010	Nickel	0.33 I	mg/kg	0.35	08/20/19 21:21	
EPA 6010	Vanadium	1.1	mg/kg	0.71	08/20/19 21:21	
EPA 7471	Mercury	0.0052 I	mg/kg	0.0095	08/21/19 14:11	
ASTM D2974-87	Percent Moisture	14.6	%	0.10	08/19/19 09:42	
35491004003	**CYSB-1B-SB11-02**					
EPA 6010	Barium	10.6	mg/kg	0.65	08/20/19 21:24	
EPA 6010	Boron	2.0 I	mg/kg	3.3	08/20/19 21:24	
EPA 6010	Chromium	2.8	mg/kg	0.33	08/20/19 21:24	
EPA 6010	Lead	2.1	mg/kg	0.65	08/20/19 21:24	
EPA 6010	Nickel	0.90	mg/kg	0.33	08/20/19 21:24	
EPA 6010	Vanadium	2.5	mg/kg	0.65	08/20/19 21:24	
EPA 7471	Mercury	0.0076 I	mg/kg	0.010	08/21/19 14:13	
ASTM D2974-87	Percent Moisture	8.3	%	0.10	08/19/19 09:42	
35491004004	**CYSB-1B-SB12-02**					
EPA 6010	Barium	10.9	mg/kg	0.57	08/20/19 21:27	
EPA 6010	Boron	2.3 I	mg/kg	2.8	08/20/19 21:27	
EPA 6010	Chromium	3.3	mg/kg	0.28	08/20/19 21:27	
EPA 6010	Lead	2.4	mg/kg	0.57	08/20/19 21:27	
EPA 6010	Molybdenum	0.32 I	mg/kg	0.57	08/20/19 21:27	
EPA 6010	Nickel	1.2	mg/kg	0.28	08/20/19 21:27	
EPA 6010	Vanadium	3.0	mg/kg	0.57	08/20/19 21:27	
EPA 7471	Mercury	0.0085 I	mg/kg	0.010	08/21/19 14:16	
ASTM D2974-87	Percent Moisture	7.9	%	0.10	08/19/19 09:42	

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35491004

Sample: CYSB-1B-SB9-02 **Lab ID: 35491004001** Collected: 08/16/19 10:30 Received: 08/16/19 15:48 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								
Arsenic	**0.28 U**	mg/kg	0.57	0.28	1	08/20/19 08:18	08/20/19 21:17	7440-38-2	
Barium	**12.2**	mg/kg	0.57	0.28	1	08/20/19 08:18	08/20/19 21:17	7440-39-3	
Boron	**1.8 I**	mg/kg	2.8	1.4	1	08/20/19 08:18	08/20/19 21:17	7440-42-8	
Cadmium	**0.028 U**	mg/kg	0.057	0.028	1	08/20/19 08:18	08/20/19 21:17	7440-43-9	
Chromium	**3.3**	mg/kg	0.28	0.14	1	08/20/19 08:18	08/20/19 21:17	7440-47-3	
Lead	**2.7**	mg/kg	0.57	0.28	1	08/20/19 08:18	08/20/19 21:17	7439-92-1	
Molybdenum	**0.28 U**	mg/kg	0.57	0.28	1	08/20/19 08:18	08/20/19 21:17	7439-98-7	
Nickel	**1.0**	mg/kg	0.28	0.14	1	08/20/19 08:18	08/20/19 21:17	7440-02-0	
Selenium	**0.43 U**	mg/kg	0.85	0.43	1	08/20/19 08:18	08/20/19 21:17	7782-49-2	
Silver	**0.14 U**	mg/kg	0.28	0.14	1	08/20/19 08:18	08/20/19 21:17	7440-22-4	
Vanadium	**2.8**	mg/kg	0.57	0.28	1	08/20/19 08:18	08/20/19 21:17	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0086 I**	mg/kg	0.011	0.0054	1	08/21/19 10:35	08/21/19 14:09	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.6**	%	0.10	0.10	1		08/19/19 09:42		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35491004

Sample: CYSB-1B-SB10-02 **Lab ID: 35491004002** Collected: 08/16/19 13:00 Received: 08/16/19 15:48 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								
Arsenic	**0.35 U**	mg/kg	0.71	0.35	1	08/20/19 08:18	08/20/19 21:21	7440-38-2	
Barium	**6.0**	mg/kg	0.71	0.35	1	08/20/19 08:18	08/20/19 21:21	7440-39-3	
Boron	**1.8 U**	mg/kg	3.5	1.8	1	08/20/19 08:18	08/20/19 21:21	7440-42-8	
Cadmium	**0.035 U**	mg/kg	0.071	0.035	1	08/20/19 08:18	08/20/19 21:21	7440-43-9	
Chromium	**1.6**	mg/kg	0.35	0.18	1	08/20/19 08:18	08/20/19 21:21	7440-47-3	
Lead	**1.5**	mg/kg	0.71	0.35	1	08/20/19 08:18	08/20/19 21:21	7439-92-1	
Molybdenum	**0.35 U**	mg/kg	0.71	0.35	1	08/20/19 08:18	08/20/19 21:21	7439-98-7	
Nickel	**0.33 I**	mg/kg	0.35	0.18	1	08/20/19 08:18	08/20/19 21:21	7440-02-0	
Selenium	**0.53 U**	mg/kg	1.1	0.53	1	08/20/19 08:18	08/20/19 21:21	7782-49-2	
Silver	**0.18 U**	mg/kg	0.35	0.18	1	08/20/19 08:18	08/20/19 21:21	7440-22-4	
Vanadium	**1.1**	mg/kg	0.71	0.35	1	08/20/19 08:18	08/20/19 21:21	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0052 I**	mg/kg	0.0095	0.0048	1	08/21/19 10:35	08/21/19 14:11	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.6**	%	0.10	0.10	1		08/19/19 09:42		

REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35491004

Sample: CYSB-1B-SB11-02 **Lab ID: 35491004003** Collected: 08/16/19 14:25 Received: 08/16/19 15:48 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								
Arsenic	**0.33 U**	mg/kg	0.65	0.33	1	08/20/19 08:18	08/20/19 21:24	7440-38-2	
Barium	**10.6**	mg/kg	0.65	0.33	1	08/20/19 08:18	08/20/19 21:24	7440-39-3	
Boron	**2.0 I**	mg/kg	3.3	1.6	1	08/20/19 08:18	08/20/19 21:24	7440-42-8	
Cadmium	**0.033 U**	mg/kg	0.065	0.033	1	08/20/19 08:18	08/20/19 21:24	7440-43-9	
Chromium	**2.8**	mg/kg	0.33	0.16	1	08/20/19 08:18	08/20/19 21:24	7440-47-3	
Lead	**2.1**	mg/kg	0.65	0.33	1	08/20/19 08:18	08/20/19 21:24	7439-92-1	
Molybdenum	**0.33 U**	mg/kg	0.65	0.33	1	08/20/19 08:18	08/20/19 21:24	7439-98-7	
Nickel	**0.90**	mg/kg	0.33	0.16	1	08/20/19 08:18	08/20/19 21:24	7440-02-0	
Selenium	**0.49 U**	mg/kg	0.98	0.49	1	08/20/19 08:18	08/20/19 21:24	7782-49-2	
Silver	**0.16 U**	mg/kg	0.33	0.16	1	08/20/19 08:18	08/20/19 21:24	7440-22-4	
Vanadium	**2.5**	mg/kg	0.65	0.33	1	08/20/19 08:18	08/20/19 21:24	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0076 I**	mg/kg	0.010	0.0051	1	08/21/19 10:35	08/21/19 14:13	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.3**	%	0.10	0.10	1		08/19/19 09:42		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35491004

Sample: CYSB-1B-SB12-02 **Lab ID: 35491004004** Collected: 08/16/19 14:35 Received: 08/16/19 15:48 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								
Arsenic	**0.28 U**	mg/kg	0.57	0.28	1	08/20/19 08:18	08/20/19 21:27	7440-38-2	
Barium	**10.9**	mg/kg	0.57	0.28	1	08/20/19 08:18	08/20/19 21:27	7440-39-3	
Boron	**2.3 I**	mg/kg	2.8	1.4	1	08/20/19 08:18	08/20/19 21:27	7440-42-8	
Cadmium	**0.028 U**	mg/kg	0.057	0.028	1	08/20/19 08:18	08/20/19 21:27	7440-43-9	
Chromium	**3.3**	mg/kg	0.28	0.14	1	08/20/19 08:18	08/20/19 21:27	7440-47-3	
Lead	**2.4**	mg/kg	0.57	0.28	1	08/20/19 08:18	08/20/19 21:27	7439-92-1	
Molybdenum	**0.32 I**	mg/kg	0.57	0.28	1	08/20/19 08:18	08/20/19 21:27	7439-98-7	
Nickel	**1.2**	mg/kg	0.28	0.14	1	08/20/19 08:18	08/20/19 21:27	7440-02-0	
Selenium	**0.43 U**	mg/kg	0.85	0.43	1	08/20/19 08:18	08/20/19 21:27	7782-49-2	
Silver	**0.14 U**	mg/kg	0.28	0.14	1	08/20/19 08:18	08/20/19 21:27	7440-22-4	
Vanadium	**3.0**	mg/kg	0.57	0.28	1	08/20/19 08:18	08/20/19 21:27	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0085 I**	mg/kg	0.010	0.0050	1	08/21/19 10:35	08/21/19 14:16	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.9**	%	0.10	0.10	1		08/19/19 09:42		

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35491004

QC Batch: 564376 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 35491004001, 35491004002, 35491004003, 35491004004

METHOD BLANK: 3064979 Matrix: Solid
Associated Lab Samples: 35491004001, 35491004002, 35491004003, 35491004004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0048 U	0.0096	0.0048	08/21/19 13:26	

LABORATORY CONTROL SAMPLE: 3064980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.098	0.097	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3064981 3064982

Parameter	Units	35490225001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.081	0.099	0.1	0.14	0.16	60	75	80-120	12	20	J(M1)

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

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35491004

QC Batch: 563996 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
Associated Lab Samples: 35491004001, 35491004002, 35491004003, 35491004004

METHOD BLANK: 3062450 Matrix: Solid
Associated Lab Samples: 35491004001, 35491004002, 35491004003, 35491004004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.28 U	0.56	0.28	08/20/19 20:22	
Barium	mg/kg	0.28 U	0.56	0.28	08/20/19 20:22	
Boron	mg/kg	1.4 U	2.8	1.4	08/20/19 20:22	
Cadmium	mg/kg	0.028 U	0.056	0.028	08/20/19 20:22	
Chromium	mg/kg	0.14 U	0.28	0.14	08/20/19 20:22	
Lead	mg/kg	0.28 U	0.56	0.28	08/20/19 20:22	
Molybdenum	mg/kg	0.28 U	0.56	0.28	08/20/19 20:22	
Nickel	mg/kg	0.14 U	0.28	0.14	08/20/19 20:22	
Selenium	mg/kg	0.42 U	0.84	0.42	08/20/19 20:22	
Silver	mg/kg	0.14 U	0.28	0.14	08/20/19 20:22	
Vanadium	mg/kg	0.28 U	0.56	0.28	08/20/19 20:22	

LABORATORY CONTROL SAMPLE: 3062451

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	14	12.6	90	80-120	
Barium	mg/kg	14	13.3	96	80-120	
Boron	mg/kg	69.8	63.0	90	80-120	
Cadmium	mg/kg	1.4	1.4	97	80-120	
Chromium	mg/kg	14	13.9	100	80-120	
Lead	mg/kg	14	13.8	99	80-120	
Molybdenum	mg/kg	14	13.8	99	80-120	
Nickel	mg/kg	14	13.7	98	80-120	
Selenium	mg/kg	14	11.4	81	80-120	
Silver	mg/kg	1.4	1.3	95	80-120	
Vanadium	mg/kg	14	14.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3062452 3062453

Parameter	Units	35490225001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	0.94	15.1	16.7	14.8	17.1	91	96	75-125	14	20	
Barium	mg/kg	6.7	15.1	16.7	20.8	23.6	94	101	75-125	12	20	
Boron	mg/kg	9.4	75.7	83.6	78.3	89.4	91	96	75-125	13	20	
Cadmium	mg/kg	0.13	1.5	1.7	1.4	1.6	83	85	75-125	12	20	
Chromium	mg/kg	4.0	15.1	16.7	17.3	20.1	88	96	75-125	15	20	
Lead	mg/kg	3.3	15.1	16.7	16.4	18.9	87	94	75-125	14	20	
Molybdenum	mg/kg	0.40 I	15.1	16.7	14.0	16.0	90	93	75-125	13	20	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35491004

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3062452 3062453

Parameter	Units	35490225001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nickel	mg/kg	1.4	15.1	16.7	14.3	16.5	86	91	75-125	14	20	
Selenium	mg/kg	0.84 I	15.1	16.7	13.3	14.9	83	84	75-125	11	20	
Silver	mg/kg	0.15 U	1.5	1.7	1.6	1.8	104	105	75-125	11	20	
Vanadium	mg/kg	2.4	15.1	16.7	15.9	18.5	90	97	75-125	15	20	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35491004

QC Batch: 563680 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 35491004001, 35491004002, 35491004003, 35491004004

SAMPLE DUPLICATE: 3061064

Parameter	Units	35490346041 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	31.5	33.3	5	10	

SAMPLE DUPLICATE: 3061065

Parameter	Units	35490346042 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	18.2	18.8	4	10	

SAMPLE DUPLICATE: 3061066

Parameter	Units	35490868005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	23.4	21.9	7	10	

SAMPLE DUPLICATE: 3061067

Parameter	Units	35490551003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.2	7.8	5	10	

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Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: JEA SJRPP
Pace Project No.: 35491004

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP
Pace Project No.: 35491004

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35491004001	**CYSB-1B-SB9-02**	EPA 3050	563996	EPA 6010	564122
35491004002	**CYSB-1B-SB10-02**	EPA 3050	563996	EPA 6010	564122
35491004003	**CYSB-1B-SB11-02**	EPA 3050	563996	EPA 6010	564122
35491004004	**CYSB-1B-SB12-02**	EPA 3050	563996	EPA 6010	564122
35491004001	**CYSB-1B-SB9-02**	EPA 7471	564376	EPA 7471	564498
35491004002	**CYSB-1B-SB10-02**	EPA 7471	564376	EPA 7471	564498
35491004003	**CYSB-1B-SB11-02**	EPA 7471	564376	EPA 7471	564498
35491004004	**CYSB-1B-SB12-02**	EPA 7471	564376	EPA 7471	564498
35491004001	**CYSB-1B-SB9-02**	ASTM D2974-87	563680		
35491004002	**CYSB-1B-SB10-02**	ASTM D2974-87	563680		
35491004003	**CYSB-1B-SB11-02**	ASTM D2974-87	563680		
35491004004	**CYSB-1B-SB12-02**	ASTM D2974-87	563680		

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CHAIN-OF-CUSTODY Analytical Request Docume

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 35491004

35491004

Workorder Number or

SE ONLY

Company: APTIM Environmental & Infrastructure, Inc.	Billing Information:
Address: 1228 Winter Garden Vineland Rd. Winter Garden, FL 34787	
Report To: Greg Dever	Email To: greg.dever@aptim.com
Copy To: Chuck Bursich & Shane Yenchi charles.bursich@aptim.com &	Site Collection Info/Address: Coal Pile Runoff Pond 1B (1'-2' intervals)
Customer Project Name/Number: JEA SJRPP	State: FL / County/City: JAX Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET
Phone: 407-466-6895 Email: greg.dever@aptim.com	Site/Facility ID #: Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Roger Granville ~~Chuck Bursich~~	Purchase Order # : Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: W003 [ ] Same Day [ ] Next Day [ ] 2 Day [X] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [X] No Analysis: _____

Manager: Todd Rea

U		U		U		U		U	

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	RCRA 8 Metals (6010 / 7471)	Boron (6010)	Molybdenum (6010)	Nickel (6010)	Vanadium (6010)
CYSB1B-SB9-02	SL	Comp	8/16/19	10:30				1	x	x	x	x	x
CYSB1B-SB10-02	SL	Comp	8/16/19	1300				1	x	x	x	x	x
CYSB-1B-SB11-02	SL	Comp	8/16/19	1425				1	x	x	x	x	x
CYSB1B-SB12-02	SL	Comp	8/16/19	1435				1	x	x	x	x	x

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

12230-1

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours) : Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: __oC
Cooler 1 Therm Corr. Factor: __oC
Cooler 1 Corrected Temp: _____oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ron Gould / APTIM	8/16/1548	PACE	8/16/19 1548
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
PACE	8/16/19 1700	FLX	8/16/19 1700
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
FLX		Pace	8/17/19 0015

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # WO#: 35491004

Project Manager: PM: TSR **Due Date:** 08/21/19

Client: CLIENT: SHAJAX

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

Thermometer Used: T-349 Date: 8/17/19 Time: 00:18 Initials: JMT

State of Origin:_____ ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	1.6 (Visual)	+.1 (Correction Factor)	1.7 (Actual)	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	☐ 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 Dry 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	☑ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☑ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☑ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☑ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☑ Yes ☐ No ☐ N/A	3-Day
Sufficient Volume	☑ Yes ☐ No ☐ N/A	
Correct Containers Used	☑ Yes ☐ No ☐ N/A	
Containers Intact	☑ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☐ Yes ☐ No ☑ N/A	Preservation Information: Preservative:_____ Lot #/Trace #:_____ Date:_____ Time:_____ Initials:_____
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐ Yes ☐ No ☑ N/A	
Headspace in VOA Vials? (>6mm):	☐ Yes ☐ No ☑ N/A	
Trip Blank Present:	☐ Yes ☐ No ☑ N/A	

Client Notification/ Resolution:
Person Contacted:_____ Date/Time:_____

Comments/ Resolution (use back for additional comments): Sample ~~ID~~ IDs do not match containers perfectly.

Project Manager Review:_____ Date:_____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

December 18, 2018

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP Coal Yard
Pace Project No.: 35436401

Dear Mr. Dever:
Enclosed are the analytical results for sample(s) received by the laboratory on December 11, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Thomas Rew, APTIM-Environmental & Infrastructure, Inc.

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8 East Tower Circle
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(386)672-5668

CERTIFICATIONS

Project: JEA SJRPP Coal Yard
Pace Project No.: 35436401

Ormond Beach Certification IDs

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

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SAMPLE SUMMARY

Project: JEA SJRPP Coal Yard
Pace Project No.: 35436401

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35436401001	**CYSB1-1**	Solid	12/10/18 12:00	12/11/18 13:00
35436401002	**CYSB1-2**	Solid	12/10/18 12:02	12/11/18 13:00
35436401003	**CYSB1-3**	Solid	12/10/18 12:04	12/11/18 13:00
35436401004	**CYSB2-1**	Solid	12/10/18 12:45	12/11/18 13:00
35436401005	**CYSB3-1**	Solid	12/10/18 15:30	12/11/18 13:00
35436401006	**CYSB3-2**	Solid	12/10/18 15:32	12/11/18 13:00
35436401007	**CYSB3-3**	Solid	12/10/18 15:34	12/11/18 13:00

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP Coal Yard
Pace Project No.: 35436401

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35436401001	**CYSB1-1**	EPA 6010	SC1	11	PASI-O
		EPA 7471	AMS	1	PASI-O
		ASTM D2974-87	NMP	1	PASI-O
35436401004	**CYSB2-1**	EPA 6010	SC1	11	PASI-O
		EPA 7471	AMS	1	PASI-O
		ASTM D2974-87	NMP	1	PASI-O
35436401005	**CYSB3-1**	EPA 6010	SC1	11	PASI-O
		EPA 7471	AMS	1	PASI-O
		ASTM D2974-87	NMP	1	PASI-O

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SUMMARY OF DETECTION

Project: JEA SJRPP Coal Yard
Pace Project No.: 35436401

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35436401001	**CYSB1-1**					
EPA 6010	Barium	7.7	mg/kg	5.8	12/18/18 14:24	
EPA 6010	Chromium	3.9	mg/kg	2.9	12/18/18 14:24	
EPA 7471	Mercury	0.011	mg/kg	0.0088	12/17/18 17:00	
ASTM D2974-87	Percent Moisture	4.9	%	0.10	12/14/18 11:43	
35436401004	**CYSB2-1**					
EPA 6010	Barium	0.54 I	mg/kg	0.78	12/17/18 18:58	
EPA 6010	Chromium	0.38 I	mg/kg	0.39	12/17/18 18:58	
ASTM D2974-87	Percent Moisture	22.7	%	0.10	12/14/18 11:43	
35436401005	**CYSB3-1**					
EPA 6010	Barium	5.1	mg/kg	0.61	12/17/18 19:01	
EPA 6010	Chromium	3.1	mg/kg	0.31	12/17/18 19:01	
EPA 6010	Lead	3.2	mg/kg	0.61	12/17/18 19:01	
EPA 6010	Nickel	0.45	mg/kg	0.31	12/17/18 19:01	
EPA 6010	Vanadium	1.6	mg/kg	0.61	12/17/18 19:01	
EPA 7471	Mercury	0.0051 I	mg/kg	0.010	12/17/18 17:40	
ASTM D2974-87	Percent Moisture	5.1	%	0.10	12/14/18 11:43	

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ANALYTICAL RESULTS

Project: JEA SJRPP Coal Yard
Pace Project No.: 35436401

Sample: CYSB1-1 **Lab ID: 35436401001** Collected: 12/10/18 12:00 Received: 12/11/18 13:00 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								
Arsenic	**2.9 U**	mg/kg	5.8	2.9	10	12/15/18 03:02	12/18/18 14:24	7440-38-2	
Barium	**7.7**	mg/kg	5.8	2.9	10	12/15/18 03:02	12/18/18 14:24	7440-39-3	
Boron	**14.6 U**	mg/kg	29.2	14.6	10	12/15/18 03:02	12/18/18 14:24	7440-42-8	
Cadmium	**0.29 U**	mg/kg	0.58	0.29	10	12/15/18 03:02	12/18/18 14:24	7440-43-9	
Chromium	**3.9**	mg/kg	2.9	1.5	10	12/15/18 03:02	12/18/18 14:24	7440-47-3	
Lead	**2.9 U**	mg/kg	5.8	2.9	10	12/15/18 03:02	12/18/18 14:24	7439-92-1	
Molybdenum	**2.9 U**	mg/kg	5.8	2.9	10	12/15/18 03:02	12/18/18 14:24	7439-98-7	
Nickel	**1.5 U**	mg/kg	2.9	1.5	10	12/15/18 03:02	12/18/18 14:24	7440-02-0	
Selenium	**4.4 U**	mg/kg	8.8	4.4	10	12/15/18 03:02	12/18/18 14:24	7782-49-2	
Silver	**1.5 U**	mg/kg	2.9	1.5	10	12/15/18 03:02	12/18/18 14:24	7440-22-4	
Vanadium	**2.9 U**	mg/kg	5.8	2.9	10	12/15/18 03:02	12/18/18 14:24	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.011**	mg/kg	0.0088	0.0044	1	12/17/18 12:46	12/17/18 17:00	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.9**	%	0.10	0.10	1		12/14/18 11:43		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JEA SJRPP Coal Yard
Pace Project No.: 35436401

Sample: CYSB2-1 **Lab ID: 35436401004** Collected: 12/10/18 12:45 Received: 12/11/18 13:00 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								
Arsenic	**0.39 U**	mg/kg	0.78	0.39	1	12/15/18 03:02	12/17/18 18:58	7440-38-2	
Barium	**0.54 I**	mg/kg	0.78	0.39	1	12/15/18 03:02	12/17/18 18:58	7440-39-3	
Boron	**1.9 U**	mg/kg	3.9	1.9	1	12/15/18 03:02	12/17/18 18:58	7440-42-8	
Cadmium	**0.039 U**	mg/kg	0.078	0.039	1	12/15/18 03:02	12/17/18 18:58	7440-43-9	
Chromium	**0.38 I**	mg/kg	0.39	0.19	1	12/15/18 03:02	12/17/18 18:58	7440-47-3	
Lead	**0.39 U**	mg/kg	0.78	0.39	1	12/15/18 03:02	12/17/18 18:58	7439-92-1	
Molybdenum	**0.39 U**	mg/kg	0.78	0.39	1	12/15/18 03:02	12/17/18 18:58	7439-98-7	
Nickel	**0.19 U**	mg/kg	0.39	0.19	1	12/15/18 03:02	12/17/18 18:58	7440-02-0	
Selenium	**0.58 U**	mg/kg	1.2	0.58	1	12/15/18 03:02	12/17/18 18:58	7782-49-2	
Silver	**0.19 U**	mg/kg	0.39	0.19	1	12/15/18 03:02	12/17/18 18:58	7440-22-4	
Vanadium	**0.39 U**	mg/kg	0.78	0.39	1	12/15/18 03:02	12/17/18 18:58	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0055 U**	mg/kg	0.011	0.0055	1	12/17/18 12:46	12/17/18 17:02	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**22.7**	%	0.10	0.10	1		12/14/18 11:43		

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ANALYTICAL RESULTS

Project: JEA SJRPP Coal Yard
Pace Project No.: 35436401

Sample: CYSB3-1 **Lab ID: 35436401005** Collected: 12/10/18 15:30 Received: 12/11/18 13:00 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								
Arsenic	**0.31 U**	mg/kg	0.61	0.31	1	12/15/18 03:02	12/17/18 19:01	7440-38-2	
Barium	**5.1**	mg/kg	0.61	0.31	1	12/15/18 03:02	12/17/18 19:01	7440-39-3	
Boron	**1.5 U**	mg/kg	3.1	1.5	1	12/15/18 03:02	12/17/18 19:01	7440-42-8	
Cadmium	**0.031 U**	mg/kg	0.061	0.031	1	12/15/18 03:02	12/17/18 19:01	7440-43-9	
Chromium	**3.1**	mg/kg	0.31	0.15	1	12/15/18 03:02	12/17/18 19:01	7440-47-3	
Lead	**3.2**	mg/kg	0.61	0.31	1	12/15/18 03:02	12/17/18 19:01	7439-92-1	
Molybdenum	**0.31 U**	mg/kg	0.61	0.31	1	12/15/18 03:02	12/17/18 19:01	7439-98-7	
Nickel	**0.45**	mg/kg	0.31	0.15	1	12/15/18 03:02	12/17/18 19:01	7440-02-0	
Selenium	**0.46 U**	mg/kg	0.92	0.46	1	12/15/18 03:02	12/17/18 19:01	7782-49-2	
Silver	**0.15 U**	mg/kg	0.31	0.15	1	12/15/18 03:02	12/17/18 19:01	7440-22-4	
Vanadium	**1.6**	mg/kg	0.61	0.31	1	12/15/18 03:02	12/17/18 19:01	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0051 I**	mg/kg	0.010	0.0051	1	12/17/18 14:49	12/17/18 17:40	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.1**	%	0.10	0.10	1		12/14/18 11:43		

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QUALITY CONTROL DATA

Project: JEA SJRPP Coal Yard
Pace Project No.: 35436401

QC Batch: 501502 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 35436401001, 35436401004

METHOD BLANK: 2711332 Matrix: Solid
Associated Lab Samples: 35436401001, 35436401004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0036 U	0.0071	0.0036	12/17/18 14:32	

LABORATORY CONTROL SAMPLE: 2711333

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.099	0.11	114	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2711334 2711335

Parameter	Units	35435189002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.99	0.8	1.1	1.4	1.8	51	71	80-120	23	20	J(M1), J(R1)

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QUALITY CONTROL DATA

Project: JEA SJRPP Coal Yard
Pace Project No.: 35436401

QC Batch: 501518 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 35436401005

METHOD BLANK: 2711413 Matrix: Solid
Associated Lab Samples: 35436401005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0037 U	0.0073	0.0037	12/17/18 17:17	

LABORATORY CONTROL SAMPLE: 2711414

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.089	0.098	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2711415 2711416

Parameter	Units	35436317007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.0046 I	0.093	0.096	0.056	0.087	56	86	80-120	43	20	J(M1), J(R1)

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QUALITY CONTROL DATA

Project: JEA SJRPP Coal Yard
Pace Project No.: 35436401

QC Batch: 501597 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
Associated Lab Samples: 35436401001, 35436401004, 35436401005

METHOD BLANK: 2712186 Matrix: Solid
Associated Lab Samples: 35436401001, 35436401004, 35436401005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.30 U	0.60	0.30	12/17/18 17:40	
Barium	mg/kg	0.30 U	0.60	0.30	12/17/18 17:40	
Boron	mg/kg	1.5 U	3.0	1.5	12/17/18 17:40	
Cadmium	mg/kg	0.030 U	0.060	0.030	12/17/18 17:40	
Chromium	mg/kg	0.15 U	0.30	0.15	12/17/18 17:40	
Lead	mg/kg	0.30 U	0.60	0.30	12/17/18 17:40	
Molybdenum	mg/kg	0.30 U	0.60	0.30	12/17/18 17:40	
Nickel	mg/kg	0.15 U	0.30	0.15	12/17/18 17:40	
Selenium	mg/kg	0.45 U	0.90	0.45	12/17/18 17:40	
Silver	mg/kg	0.15 U	0.30	0.15	12/17/18 17:40	
Vanadium	mg/kg	0.30 U	0.60	0.30	12/17/18 17:40	

LABORATORY CONTROL SAMPLE: 2712187

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	15.2	13.2	87	80-120	
Barium	mg/kg	15.2	14.7	97	80-120	
Boron	mg/kg	152	135	89	80-120	
Cadmium	mg/kg	1.5	1.4	95	80-120	
Chromium	mg/kg	15.2	14.9	98	80-120	
Lead	mg/kg	15.2	14.4	95	80-120	
Molybdenum	mg/kg	15.2	14.8	97	80-120	
Nickel	mg/kg	15.2	14.9	98	80-120	
Selenium	mg/kg	15.2	12.3	81	80-120	
Silver	mg/kg	1.5	1.4	92	80-120	
Vanadium	mg/kg	15.2	14.8	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2712188 2712189

Parameter	Units	35436076054 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	0.38 U	20.4	19.6	17.1	16.6	84	85	75-125	3	20	
Barium	mg/kg	0.49 I	20.4	19.6	19.7	19.4	94	97	75-125	1	20	
Boron	mg/kg	1.9 U	204	196	175	170	86	87	75-125	3	20	
Cadmium	mg/kg	0.038 U	2	2	1.9	1.8	93	93	75-125	3	20	
Chromium	mg/kg	0.37 I	20.4	19.6	19.7	19.3	95	96	75-125	2	20	
Lead	mg/kg	0.38 U	20.4	19.6	19.2	18.7	94	95	75-125	2	20	
Molybdenum	mg/kg	0.38 U	20.4	19.6	19.1	18.6	94	95	75-125	3	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP Coal Yard
Pace Project No.: 35436401

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2712188 2712189

Parameter	Units	35436076054 Result		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nickel	mg/kg	0.19	U	20.4	19.6	19.5	19.0	96	97	75-125	2	20	
Selenium	mg/kg	0.58	U	20.4	19.6	16.3	15.9	79	80	75-125	2	20	
Silver	mg/kg	0.19	U	2	2	1.8	1.8	90	91	75-125	3	20	
Vanadium	mg/kg	0.38	U	20.4	19.6	19.3	18.9	94	96	75-125	2	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP Coal Yard
Pace Project No.: 35436401

QC Batch: 501380 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 35436401001, 35436401004, 35436401005

SAMPLE DUPLICATE: 2710639

Parameter	Units	35434226008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	82.6	81.9	1	5	

SAMPLE DUPLICATE: 2710640

Parameter	Units	35436051001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.2	7.4	9	5	J(D6)

SAMPLE DUPLICATE: 2710641

Parameter	Units	35436435002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.5	12.8	5	5	

SAMPLE DUPLICATE: 2710642

Parameter	Units	35436811005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	0.83	1.0	19	5	J(D6)

SAMPLE DUPLICATE: 2710643

Parameter	Units	35436811014 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	1.0	0.53	65	5	J(D6)

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QUALIFIERS

Project: JEA SJRPP Coal Yard
Pace Project No.: 35436401

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(R1)	Estimated Value. RPD value was outside control limits.

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP Coal Yard
Pace Project No.: 35436401

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35436401001	**CYSB1-1**	EPA 3050	501597	EPA 6010	501610
35436401004	**CYSB2-1**	EPA 3050	501597	EPA 6010	501610
35436401005	**CYSB3-1**	EPA 3050	501597	EPA 6010	501610
35436401001	**CYSB1-1**	EPA 7471	501502	EPA 7471	501917
35436401004	**CYSB2-1**	EPA 7471	501502	EPA 7471	501917
35436401005	**CYSB3-1**	EPA 7471	501518	EPA 7471	501946
35436401001	**CYSB1-1**	ASTM D2974-87	501380		
35436401004	**CYSB2-1**	ASTM D2974-87	501380		
35436401005	**CYSB3-1**	ASTM D2974-87	501380		

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WO# : 35436401

35436401

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page : 1 Of 1

Section A — Required Client Information:

Company:	APTIM-Environmental & Infrastructure, Inc-Jackson
Address:	1228 Winter Garden Vineland Rd
	Winter Garden, FL 34787
Email:	greg.dever@aptim.com
Phone:	(407)466-6895 Fax:
Requested Due Date:	

Required Project Information:

Report To:	Greg Dever
Copy To:	
Purchase Order #:	
Project Name:	JEA SJRPP Coal Yard
Project #:	

Section C — Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	todd.rea@pacelabs.com,
Pace Profile #:	10649-3

Regulatory Agency:

State / Location: FL

ITEM #	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 START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals* (6010/7471)	Residual Chlorine (Y/N)	
1	CYSB1-1	SL	G	12/10/18			1200		1	L								L	L		
2	CYSB1-2	SL	G	12/10/18			1202		1	L								L	L		HOLD
3	CYSB1-3	SL	G	12/10/18			1204		1	L								L	L		HOLD
4	CYSB2-1	SL	G	12/10/18			1245		1	L								L	L		
5	CYSB3-1	SL	G	12/10/18			1530		1	L								L	L		
6	CYSB3-2	SL	G	12/10/18			1532		1	L								L	L		HOLD
7	CYSB3-3	SL	G	12/10/18			1534		1	L								L	L		HOLD
8																					
9																					
10																					
11																					
12																					

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
* As, Ba, Cd, Cr, Pb, Se, Ag, B, Mo, Ni, V (6010), Hg (7471)	APTIM	12/10/18	1800		12/11/18	1300				
		12/11/18	1700	FIX Courier	12/11/18	1700				
	FIX Courier			KBI PACE	12/11/18	2358	2.8	Y	N	Y

ANALYZE -1 SAMPLES ONLY.
HOLD OTHERS PENDING -1 RESULTS.

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: John Harris

SIGNATURE of SAMPLER: [signature] DATE Signed: 12/10/18

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # WO#: 35436401

Project Manager: PM: TSR **Due Date:** 12/18/18

Client: CLIENT: SHAJAX

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

Thermometer Used: T-346 Date: 12/14/18 Time: 2358 Initials: AJ

State of Origin: ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	2.7 (Visual)	+0.1 (Correction Factor)	2.8 (Actual)	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ 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 Dry 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	☑ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☑ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☑ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☑ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☑ No ☐ N/A	
Sufficient Volume	☑ Yes ☐ No ☐ N/A	
Correct Containers Used	☑ Yes ☐ No ☐ N/A	
Containers Intact	☑ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☐ Yes ☐ No ☑ N/A	Preservation Information: Preservative: Lot #/Trace #: Date: Time: Initials:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐ Yes ☐ No ☑ N/A	
Headspace in VOA Vials? (>6mm):	☐ Yes ☐ No ☑ N/A	
Trip Blank Present:	☐ Yes ☐ No ☑ N/A	

Client Notification/ Resolution:
Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

January 25, 2019

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP
Pace Project No.: 35443202

Dear Mr. Dever:
Enclosed are the analytical results for sample(s) received by the laboratory on January 18, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Thomas Rew, APTIM-Environmental & Infrastructure, Inc.

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CERTIFICATIONS

Project: JEA SJRPP
Pace Project No.: 35443202

Ormond Beach Certification IDs

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

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SAMPLE SUMMARY

Project: JEA SJRPP
Pace Project No.: 35443202

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35443202001	**CYSB4-1**	Solid	01/17/19 13:40	01/18/19 14:55
35443202002	**CYSB5-1**	Solid	01/17/19 14:17	01/18/19 14:55
35443202003	**CYSB6-1**	Solid	01/17/19 15:35	01/18/19 14:55
35443202004	**CYSB7-1**	Solid	01/17/19 16:20	01/18/19 14:55
35443202005	**CYSB8-1**	Solid	01/18/19 08:30	01/18/19 14:55
35443202006	**CYSB9-1**	Solid	01/18/19 09:35	01/18/19 14:55
35443202007	**CYSB10-1**	Solid	01/18/19 10:10	01/18/19 14:55
35443202008	**CYSB11-1**	Solid	01/18/19 11:45	01/18/19 14:55

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP
Pace Project No.: 35443202

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35443202001	**CYSB4-1**	EPA 6010	SC1	11	PASI-O
		EPA 7471	AMS	1	PASI-O
		ASTM D2974-87	NMP	1	PASI-O
35443202002	**CYSB5-1**	EPA 6010	SC1	11	PASI-O
		EPA 7471	AMS	1	PASI-O
		ASTM D2974-87	NMP	1	PASI-O
35443202003	**CYSB6-1**	EPA 6010	SC1	11	PASI-O
		EPA 7471	AMS	1	PASI-O
		ASTM D2974-87	NMP	1	PASI-O
35443202004	**CYSB7-1**	EPA 6010	SC1	11	PASI-O
		EPA 7471	AMS	1	PASI-O
		ASTM D2974-87	NMP	1	PASI-O
35443202005	**CYSB8-1**	EPA 6010	SC1	11	PASI-O
		EPA 7471	AMS	1	PASI-O
		ASTM D2974-87	NMP	1	PASI-O
35443202006	**CYSB9-1**	EPA 6010	SC1	11	PASI-O
		EPA 7471	AMS	1	PASI-O
		ASTM D2974-87	NMP	1	PASI-O
35443202007	**CYSB10-1**	EPA 6010	SC1	11	PASI-O
		EPA 7471	AMS	1	PASI-O
		ASTM D2974-87	NMP	1	PASI-O
35443202008	**CYSB11-1**	EPA 6010	SC1	11	PASI-O
		EPA 7471	AMS	1	PASI-O
		ASTM D2974-87	NMP	1	PASI-O

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SUMMARY OF DETECTION

Project: JEA SJRPP
Pace Project No.: 35443202

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35443202001	**CYSB4-1**					
EPA 6010	Barium	7.4	mg/kg	0.56	01/24/19 19:28	
EPA 6010	Chromium	4.3	mg/kg	0.28	01/24/19 19:28	
EPA 6010	Lead	2.7	mg/kg	0.56	01/24/19 19:28	
EPA 6010	Nickel	0.60	mg/kg	0.28	01/24/19 19:28	
EPA 6010	Vanadium	3.5	mg/kg	0.56	01/24/19 19:28	
EPA 7471	Mercury	0.0070	mg/kg	0.0088	01/22/19 20:18	I
ASTM D2974-87	Percent Moisture	4.8	%	0.10	01/22/19 11:07	
35443202002	**CYSB5-1**					
EPA 6010	Barium	2.9	mg/kg	0.62	01/24/19 19:31	
EPA 6010	Chromium	1.9	mg/kg	0.31	01/24/19 19:31	
EPA 6010	Lead	1.9	mg/kg	0.62	01/24/19 19:31	
EPA 6010	Nickel	0.66	mg/kg	0.31	01/24/19 19:31	
EPA 6010	Vanadium	1.6	mg/kg	0.62	01/24/19 19:31	
EPA 7471	Mercury	0.0059	mg/kg	0.0099	01/22/19 20:20	I
ASTM D2974-87	Percent Moisture	5.6	%	0.10	01/22/19 11:07	
35443202003	**CYSB6-1**					
EPA 6010	Barium	5.3	mg/kg	0.58	01/24/19 17:53	
EPA 6010	Chromium	2.4	mg/kg	0.29	01/24/19 17:53	
EPA 6010	Lead	2.3	mg/kg	0.58	01/24/19 17:53	
EPA 6010	Nickel	0.82	mg/kg	0.29	01/24/19 17:53	
EPA 6010	Vanadium	2.6	mg/kg	0.58	01/24/19 17:53	
EPA 7471	Mercury	0.0077	mg/kg	0.0091	01/22/19 20:22	I
ASTM D2974-87	Percent Moisture	5.2	%	0.10	01/22/19 11:07	
35443202004	**CYSB7-1**					
EPA 6010	Barium	7.4	mg/kg	0.56	01/24/19 17:56	
EPA 6010	Chromium	3.4	mg/kg	0.28	01/24/19 17:56	
EPA 6010	Lead	7.1	mg/kg	0.56	01/24/19 17:56	
EPA 6010	Nickel	0.59	mg/kg	0.28	01/24/19 17:56	
EPA 6010	Vanadium	2.0	mg/kg	0.56	01/24/19 17:56	
EPA 7471	Mercury	0.023	mg/kg	0.0081	01/22/19 20:25	
ASTM D2974-87	Percent Moisture	8.2	%	0.10	01/22/19 11:07	
35443202005	**CYSB8-1**					
EPA 6010	Barium	4.6	mg/kg	0.57	01/24/19 17:59	
EPA 6010	Chromium	3.2	mg/kg	0.28	01/24/19 17:59	
EPA 6010	Lead	2.4	mg/kg	0.57	01/24/19 17:59	
EPA 6010	Nickel	0.61	mg/kg	0.28	01/24/19 17:59	
EPA 6010	Vanadium	2.5	mg/kg	0.57	01/24/19 17:59	
EPA 7471	Mercury	0.0068	mg/kg	0.0091	01/22/19 20:27	I
ASTM D2974-87	Percent Moisture	7.4	%	0.10	01/22/19 11:07	
35443202006	**CYSB9-1**					
EPA 6010	Barium	4.0	mg/kg	0.63	01/24/19 18:02	
EPA 6010	Chromium	2.7	mg/kg	0.32	01/24/19 18:02	
EPA 6010	Lead	2.4	mg/kg	0.63	01/24/19 18:02	
EPA 6010	Nickel	0.46	mg/kg	0.32	01/24/19 18:02	

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SUMMARY OF DETECTION

Project: JEA SJRPP
Pace Project No.: 35443202

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35443202006	**CYSB9-1**					
EPA 6010	Vanadium	2.0	mg/kg	0.63	01/24/19 18:02	
EPA 7471	Mercury	0.0062 I	mg/kg	0.010	01/22/19 20:29	
ASTM D2974-87	Percent Moisture	5.3	%	0.10	01/22/19 11:08	
35443202007	**CYSB10-1**					
EPA 6010	Barium	4.8	mg/kg	0.55	01/24/19 18:05	
EPA 6010	Chromium	2.0	mg/kg	0.28	01/24/19 18:05	
EPA 6010	Lead	2.6	mg/kg	0.55	01/24/19 18:05	
EPA 6010	Nickel	1.4	mg/kg	0.28	01/24/19 18:05	
EPA 6010	Vanadium	4.8	mg/kg	0.55	01/24/19 18:05	
EPA 7471	Mercury	0.0043 I	mg/kg	0.0078	01/22/19 20:31	
ASTM D2974-87	Percent Moisture	3.7	%	0.10	01/22/19 11:08	J(D6)
35443202008	**CYSB11-1**					
EPA 6010	Barium	8.8	mg/kg	0.65	01/24/19 18:08	
EPA 6010	Chromium	4.8	mg/kg	0.32	01/24/19 18:08	
EPA 6010	Lead	2.4	mg/kg	0.65	01/24/19 18:08	
EPA 6010	Nickel	1.2	mg/kg	0.32	01/24/19 18:08	
EPA 6010	Vanadium	5.0	mg/kg	0.65	01/24/19 18:08	
ASTM D2974-87	Percent Moisture	9.2	%	0.10	01/22/19 11:09	

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35443202

Sample: CYSB4-1 **Lab ID: 35443202001** Collected: 01/17/19 13:40 Received: 01/18/19 14:55 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								
Arsenic	**0.28 U**	mg/kg	0.56	0.28	1	01/23/19 16:08	01/24/19 19:28	7440-38-2	
Barium	**7.4**	mg/kg	0.56	0.28	1	01/23/19 16:08	01/24/19 19:28	7440-39-3	
Boron	**1.4 U**	mg/kg	2.8	1.4	1	01/23/19 16:08	01/24/19 19:28	7440-42-8	
Cadmium	**0.028 U**	mg/kg	0.056	0.028	1	01/23/19 16:08	01/24/19 19:28	7440-43-9	
Chromium	**4.3**	mg/kg	0.28	0.14	1	01/23/19 16:08	01/24/19 19:28	7440-47-3	
Lead	**2.7**	mg/kg	0.56	0.28	1	01/23/19 16:08	01/24/19 19:28	7439-92-1	
Molybdenum	**0.28 U**	mg/kg	0.56	0.28	1	01/23/19 16:08	01/24/19 19:28	7439-98-7	
Nickel	**0.60**	mg/kg	0.28	0.14	1	01/23/19 16:08	01/24/19 19:28	7440-02-0	
Selenium	**0.42 U**	mg/kg	0.83	0.42	1	01/23/19 16:08	01/24/19 19:28	7782-49-2	
Silver	**0.14 U**	mg/kg	0.28	0.14	1	01/23/19 16:08	01/24/19 19:28	7440-22-4	
Vanadium	**3.5**	mg/kg	0.56	0.28	1	01/23/19 16:08	01/24/19 19:28	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0070 I**	mg/kg	0.0088	0.0044	1	01/21/19 14:54	01/22/19 20:18	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**4.8**	%	0.10	0.10	1		01/22/19 11:07		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35443202

Sample: CYSB5-1 **Lab ID: 35443202002** Collected: 01/17/19 14:17 Received: 01/18/19 14:55 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								
Arsenic	**0.31 U**	mg/kg	0.62	0.31	1	01/23/19 16:08	01/24/19 19:31	7440-38-2	
Barium	**2.9**	mg/kg	0.62	0.31	1	01/23/19 16:08	01/24/19 19:31	7440-39-3	
Boron	**1.5 U**	mg/kg	3.1	1.5	1	01/23/19 16:08	01/24/19 19:31	7440-42-8	
Cadmium	**0.031 U**	mg/kg	0.062	0.031	1	01/23/19 16:08	01/24/19 19:31	7440-43-9	
Chromium	**1.9**	mg/kg	0.31	0.15	1	01/23/19 16:08	01/24/19 19:31	7440-47-3	
Lead	**1.9**	mg/kg	0.62	0.31	1	01/23/19 16:08	01/24/19 19:31	7439-92-1	
Molybdenum	**0.31 U**	mg/kg	0.62	0.31	1	01/23/19 16:08	01/24/19 19:31	7439-98-7	
Nickel	**0.66**	mg/kg	0.31	0.15	1	01/23/19 16:08	01/24/19 19:31	7440-02-0	
Selenium	**0.46 U**	mg/kg	0.92	0.46	1	01/23/19 16:08	01/24/19 19:31	7782-49-2	
Silver	**0.15 U**	mg/kg	0.31	0.15	1	01/23/19 16:08	01/24/19 19:31	7440-22-4	
Vanadium	**1.6**	mg/kg	0.62	0.31	1	01/23/19 16:08	01/24/19 19:31	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0059 I**	mg/kg	0.0099	0.0049	1	01/21/19 14:54	01/22/19 20:20	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.6**	%	0.10	0.10	1		01/22/19 11:07		

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35443202

Sample: CYSB6-1 **Lab ID: 35443202003** Collected: 01/17/19 15:35 Received: 01/18/19 14:55 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								
Arsenic	**0.29 U**	mg/kg	0.58	0.29	1	01/24/19 02:07	01/24/19 17:53	7440-38-2	
Barium	**5.3**	mg/kg	0.58	0.29	1	01/24/19 02:07	01/24/19 17:53	7440-39-3	
Boron	**1.4 U**	mg/kg	2.9	1.4	1	01/24/19 02:07	01/24/19 17:53	7440-42-8	
Cadmium	**0.029 U**	mg/kg	0.058	0.029	1	01/24/19 02:07	01/24/19 17:53	7440-43-9	
Chromium	**2.4**	mg/kg	0.29	0.14	1	01/24/19 02:07	01/24/19 17:53	7440-47-3	
Lead	**2.3**	mg/kg	0.58	0.29	1	01/24/19 02:07	01/24/19 17:53	7439-92-1	
Molybdenum	**0.29 U**	mg/kg	0.58	0.29	1	01/24/19 02:07	01/24/19 17:53	7439-98-7	
Nickel	**0.82**	mg/kg	0.29	0.14	1	01/24/19 02:07	01/24/19 17:53	7440-02-0	
Selenium	**0.43 U**	mg/kg	0.87	0.43	1	01/24/19 02:07	01/24/19 17:53	7782-49-2	
Silver	**0.14 U**	mg/kg	0.29	0.14	1	01/24/19 02:07	01/24/19 17:53	7440-22-4	
Vanadium	**2.6**	mg/kg	0.58	0.29	1	01/24/19 02:07	01/24/19 17:53	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0077 I**	mg/kg	0.0091	0.0045	1	01/21/19 14:54	01/22/19 20:22	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.2**	%	0.10	0.10	1		01/22/19 11:07		

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35443202

Sample: CYSB7-1 **Lab ID: 35443202004** Collected: 01/17/19 16:20 Received: 01/18/19 14:55 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								
Arsenic	**0.28 U**	mg/kg	0.56	0.28	1	01/24/19 02:07	01/24/19 17:56	7440-38-2	
Barium	**7.4**	mg/kg	0.56	0.28	1	01/24/19 02:07	01/24/19 17:56	7440-39-3	
Boron	**1.4 U**	mg/kg	2.8	1.4	1	01/24/19 02:07	01/24/19 17:56	7440-42-8	
Cadmium	**0.028 U**	mg/kg	0.056	0.028	1	01/24/19 02:07	01/24/19 17:56	7440-43-9	
Chromium	**3.4**	mg/kg	0.28	0.14	1	01/24/19 02:07	01/24/19 17:56	7440-47-3	
Lead	**7.1**	mg/kg	0.56	0.28	1	01/24/19 02:07	01/24/19 17:56	7439-92-1	
Molybdenum	**0.28 U**	mg/kg	0.56	0.28	1	01/24/19 02:07	01/24/19 17:56	7439-98-7	
Nickel	**0.59**	mg/kg	0.28	0.14	1	01/24/19 02:07	01/24/19 17:56	7440-02-0	
Selenium	**0.42 U**	mg/kg	0.83	0.42	1	01/24/19 02:07	01/24/19 17:56	7782-49-2	
Silver	**0.14 U**	mg/kg	0.28	0.14	1	01/24/19 02:07	01/24/19 17:56	7440-22-4	
Vanadium	**2.0**	mg/kg	0.56	0.28	1	01/24/19 02:07	01/24/19 17:56	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.023**	mg/kg	0.0081	0.0041	1	01/21/19 14:54	01/22/19 20:25	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.2**	%	0.10	0.10	1		01/22/19 11:07		

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35443202

Sample: CYSB8-1 **Lab ID: 35443202005** Collected: 01/18/19 08:30 Received: 01/18/19 14:55 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								
Arsenic	**0.28 U**	mg/kg	0.57	0.28	1	01/24/19 02:07	01/24/19 17:59	7440-38-2	
Barium	**4.6**	mg/kg	0.57	0.28	1	01/24/19 02:07	01/24/19 17:59	7440-39-3	
Boron	**1.4 U**	mg/kg	2.8	1.4	1	01/24/19 02:07	01/24/19 17:59	7440-42-8	
Cadmium	**0.028 U**	mg/kg	0.057	0.028	1	01/24/19 02:07	01/24/19 17:59	7440-43-9	
Chromium	**3.2**	mg/kg	0.28	0.14	1	01/24/19 02:07	01/24/19 17:59	7440-47-3	
Lead	**2.4**	mg/kg	0.57	0.28	1	01/24/19 02:07	01/24/19 17:59	7439-92-1	
Molybdenum	**0.28 U**	mg/kg	0.57	0.28	1	01/24/19 02:07	01/24/19 17:59	7439-98-7	
Nickel	**0.61**	mg/kg	0.28	0.14	1	01/24/19 02:07	01/24/19 17:59	7440-02-0	
Selenium	**0.42 U**	mg/kg	0.85	0.42	1	01/24/19 02:07	01/24/19 17:59	7782-49-2	
Silver	**0.14 U**	mg/kg	0.28	0.14	1	01/24/19 02:07	01/24/19 17:59	7440-22-4	
Vanadium	**2.5**	mg/kg	0.57	0.28	1	01/24/19 02:07	01/24/19 17:59	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0068 I**	mg/kg	0.0091	0.0045	1	01/21/19 14:54	01/22/19 20:27	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.4**	%	0.10	0.10	1		01/22/19 11:07		

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35443202

Sample: CYSB9-1 **Lab ID: 35443202006** Collected: 01/18/19 09:35 Received: 01/18/19 14:55 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								
Arsenic	**0.32 U**	mg/kg	0.63	0.32	1	01/24/19 02:07	01/24/19 18:02	7440-38-2	
Barium	**4.0**	mg/kg	0.63	0.32	1	01/24/19 02:07	01/24/19 18:02	7440-39-3	
Boron	**1.6 U**	mg/kg	3.2	1.6	1	01/24/19 02:07	01/24/19 18:02	7440-42-8	
Cadmium	**0.032 U**	mg/kg	0.063	0.032	1	01/24/19 02:07	01/24/19 18:02	7440-43-9	
Chromium	**2.7**	mg/kg	0.32	0.16	1	01/24/19 02:07	01/24/19 18:02	7440-47-3	
Lead	**2.4**	mg/kg	0.63	0.32	1	01/24/19 02:07	01/24/19 18:02	7439-92-1	
Molybdenum	**0.32 U**	mg/kg	0.63	0.32	1	01/24/19 02:07	01/24/19 18:02	7439-98-7	
Nickel	**0.46**	mg/kg	0.32	0.16	1	01/24/19 02:07	01/24/19 18:02	7440-02-0	
Selenium	**0.47 U**	mg/kg	0.95	0.47	1	01/24/19 02:07	01/24/19 18:02	7782-49-2	
Silver	**0.16 U**	mg/kg	0.32	0.16	1	01/24/19 02:07	01/24/19 18:02	7440-22-4	
Vanadium	**2.0**	mg/kg	0.63	0.32	1	01/24/19 02:07	01/24/19 18:02	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0062 I**	mg/kg	0.010	0.0052	1	01/21/19 14:54	01/22/19 20:29	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**5.3**	%	0.10	0.10	1		01/22/19 11:08		

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35443202

Sample: CYSB10-1 **Lab ID: 35443202007** Collected: 01/18/19 10:10 Received: 01/18/19 14:55 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								
Arsenic	**0.28 U**	mg/kg	0.55	0.28	1	01/24/19 02:07	01/24/19 18:05	7440-38-2	
Barium	**4.8**	mg/kg	0.55	0.28	1	01/24/19 02:07	01/24/19 18:05	7440-39-3	
Boron	**1.4 U**	mg/kg	2.8	1.4	1	01/24/19 02:07	01/24/19 18:05	7440-42-8	
Cadmium	**0.028 U**	mg/kg	0.055	0.028	1	01/24/19 02:07	01/24/19 18:05	7440-43-9	
Chromium	**2.0**	mg/kg	0.28	0.14	1	01/24/19 02:07	01/24/19 18:05	7440-47-3	
Lead	**2.6**	mg/kg	0.55	0.28	1	01/24/19 02:07	01/24/19 18:05	7439-92-1	
Molybdenum	**0.28 U**	mg/kg	0.55	0.28	1	01/24/19 02:07	01/24/19 18:05	7439-98-7	
Nickel	**1.4**	mg/kg	0.28	0.14	1	01/24/19 02:07	01/24/19 18:05	7440-02-0	
Selenium	**0.42 U**	mg/kg	0.83	0.42	1	01/24/19 02:07	01/24/19 18:05	7782-49-2	
Silver	**0.14 U**	mg/kg	0.28	0.14	1	01/24/19 02:07	01/24/19 18:05	7440-22-4	
Vanadium	**4.8**	mg/kg	0.55	0.28	1	01/24/19 02:07	01/24/19 18:05	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0043 I**	mg/kg	0.0078	0.0039	1	01/21/19 14:54	01/22/19 20:31	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**3.7**	%	0.10	0.10	1		01/22/19 11:08		J(D6)

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35443202

Sample: CYSB11-1 **Lab ID: 35443202008** Collected: 01/18/19 11:45 Received: 01/18/19 14:55 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								
Arsenic	**0.32 U**	mg/kg	0.65	0.32	1	01/24/19 02:07	01/24/19 18:08	7440-38-2	
Barium	**8.8**	mg/kg	0.65	0.32	1	01/24/19 02:07	01/24/19 18:08	7440-39-3	
Boron	**1.6 U**	mg/kg	3.2	1.6	1	01/24/19 02:07	01/24/19 18:08	7440-42-8	
Cadmium	**0.032 U**	mg/kg	0.065	0.032	1	01/24/19 02:07	01/24/19 18:08	7440-43-9	
Chromium	**4.8**	mg/kg	0.32	0.16	1	01/24/19 02:07	01/24/19 18:08	7440-47-3	
Lead	**2.4**	mg/kg	0.65	0.32	1	01/24/19 02:07	01/24/19 18:08	7439-92-1	
Molybdenum	**0.32 U**	mg/kg	0.65	0.32	1	01/24/19 02:07	01/24/19 18:08	7439-98-7	
Nickel	**1.2**	mg/kg	0.32	0.16	1	01/24/19 02:07	01/24/19 18:08	7440-02-0	
Selenium	**0.48 U**	mg/kg	0.97	0.48	1	01/24/19 02:07	01/24/19 18:08	7782-49-2	
Silver	**0.16 U**	mg/kg	0.32	0.16	1	01/24/19 02:07	01/24/19 18:08	7440-22-4	
Vanadium	**5.0**	mg/kg	0.65	0.32	1	01/24/19 02:07	01/24/19 18:08	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0044 U**	mg/kg	0.0088	0.0044	1	01/21/19 14:54	01/22/19 20:33	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.2**	%	0.10	0.10	1		01/22/19 11:09		

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35443202

QC Batch: 509475 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 35443202001, 35443202002, 35443202003, 35443202004, 35443202005, 35443202006, 35443202007, 35443202008

METHOD BLANK: 2751538 Matrix: Solid
Associated Lab Samples: 35443202001, 35443202002, 35443202003, 35443202004, 35443202005, 35443202006, 35443202007, 35443202008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0042 U	0.0085	0.0042	01/22/19 19:31	

LABORATORY CONTROL SAMPLE: 2751539

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.075	0.075	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2751540 2751541

Parameter	Units	35443093028 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.015	0.095	0.089	0.086	0.10	75	100	80-120	19	20	J(M1)

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35443202

QC Batch: 510206 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
Associated Lab Samples: 35443202001, 35443202002

METHOD BLANK: 2754576 Matrix: Solid
Associated Lab Samples: 35443202001, 35443202002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.29 U	0.57	0.29	01/25/19 11:17	
Barium	mg/kg	0.29 U	0.57	0.29	01/25/19 11:17	
Boron	mg/kg	1.4 U	2.9	1.4	01/25/19 11:17	
Cadmium	mg/kg	0.029 U	0.057	0.029	01/25/19 11:17	
Chromium	mg/kg	0.14 U	0.29	0.14	01/25/19 11:17	
Lead	mg/kg	0.29 U	0.57	0.29	01/25/19 11:17	
Molybdenum	mg/kg	0.29 U	0.57	0.29	01/25/19 11:17	
Nickel	mg/kg	0.14 U	0.29	0.14	01/25/19 11:17	
Selenium	mg/kg	0.43 U	0.86	0.43	01/25/19 11:17	
Silver	mg/kg	0.14 U	0.29	0.14	01/25/19 11:17	
Vanadium	mg/kg	0.29 U	0.57	0.29	01/25/19 11:17	

LABORATORY CONTROL SAMPLE: 2754577

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	14.3	13.5	94	80-120	
Barium	mg/kg	14.3	13.7	96	80-120	
Boron	mg/kg	71.5	63.8	89	80-120	
Cadmium	mg/kg	1.4	1.4	98	80-120	
Chromium	mg/kg	14.3	14.3	100	80-120	
Lead	mg/kg	14.3	14.2	99	80-120	
Molybdenum	mg/kg	14.3	14.2	99	80-120	
Nickel	mg/kg	14.3	14.4	101	80-120	
Selenium	mg/kg	14.3	12.5	88	80-120	
Silver	mg/kg	1.4	1.3	92	80-120	
Vanadium	mg/kg	14.3	14.1	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2754578 2754579

Parameter	Units	35441533001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	1.9	40.5	39.9	36.9	36.7	86	87	75-125	0	20	
Barium	mg/kg	18.5	40.5	39.9	53.8	52.6	87	85	75-125	2	20	
Boron	mg/kg	11.2	203	200	181	176	84	83	75-125	3	20	
Cadmium	mg/kg	0.096 U	3.9	3.9	3.8	3.8	92	92	75-125	2	20	
Chromium	mg/kg	6.1	40.5	39.9	43.9	42.6	93	91	75-125	3	20	
Lead	mg/kg	3.4	40.5	39.9	41.6	40.0	94	92	75-125	4	20	
Molybdenum	mg/kg	1.4 I	40.5	39.9	39.5	38.7	94	93	75-125	2	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35443202

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2754578 2754579

Parameter	Units	35441533001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nickel	mg/kg	1.5	40.5	39.9	40.0	39.6	95	95	75-125	1	20	
Selenium	mg/kg	1.4 U	40.5	39.9	35.4	34.4	87	86	75-125	3	20	
Silver	mg/kg	0.48 U	3.9	3.9	3.6	3.5	89	88	75-125	2	20	
Vanadium	mg/kg	2.9	40.5	39.9	41.6	40.3	96	94	75-125	3	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35443202

QC Batch: 510333 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
Associated Lab Samples: 35443202003, 35443202004, 35443202005, 35443202006, 35443202007, 35443202008

METHOD BLANK: 2755816 Matrix: Solid
Associated Lab Samples: 35443202003, 35443202004, 35443202005, 35443202006, 35443202007, 35443202008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.30 U	0.61	0.30	01/24/19 17:10	
Barium	mg/kg	0.30 U	0.61	0.30	01/24/19 17:10	
Boron	mg/kg	1.5 U	3.0	1.5	01/24/19 17:10	
Cadmium	mg/kg	0.030 U	0.061	0.030	01/24/19 17:10	
Chromium	mg/kg	0.15 U	0.30	0.15	01/24/19 17:10	
Lead	mg/kg	0.30 U	0.61	0.30	01/24/19 17:10	
Molybdenum	mg/kg	0.30 U	0.61	0.30	01/24/19 17:10	
Nickel	mg/kg	0.15 U	0.30	0.15	01/24/19 17:10	
Selenium	mg/kg	0.46 U	0.91	0.46	01/24/19 17:10	
Silver	mg/kg	0.15 U	0.30	0.15	01/24/19 17:10	
Vanadium	mg/kg	0.30 U	0.61	0.30	01/24/19 17:10	

LABORATORY CONTROL SAMPLE: 2755817

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	14	12.7	91	80-120	
Barium	mg/kg	14	13.3	95	80-120	
Boron	mg/kg	69.8	60.5	87	80-120	
Cadmium	mg/kg	1.4	1.3	96	80-120	
Chromium	mg/kg	14	13.7	98	80-120	
Lead	mg/kg	14	13.5	97	80-120	
Molybdenum	mg/kg	14	13.4	96	80-120	
Nickel	mg/kg	14	13.7	98	80-120	
Selenium	mg/kg	14	12.1	87	80-120	
Silver	mg/kg	1.4	1.2	90	80-120	
Vanadium	mg/kg	14	13.4	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2755818 2755819

Parameter	Units	35443185001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	0.37 I	15.6	15.7	13.6	13.9	85	86	75-125	2	20	
Barium	mg/kg	12.0	15.6	15.7	24.7	31.1	81	122	75-125	23	20	J(R1)
Boron	mg/kg	1.4 U	78	78.5	64.0	65.7	81	83	75-125	2	20	
Cadmium	mg/kg	0.26	1.6	1.6	1.6	1.6	83	84	75-125	2	20	
Chromium	mg/kg	10.2	15.6	15.7	27.4	27.0	110	107	75-125	2	20	
Lead	mg/kg	26.2	15.6	15.7	47.5	48.6	136	143	75-125	2	20	J(M1)
Molybdenum	mg/kg	0.29 U	15.6	15.7	14.0	14.2	88	88	75-125	1	20	

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

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35443202

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2755818 2755819

Parameter	Units	35443185001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nickel	mg/kg	2.5	15.6	15.7	17.5	17.0	96	92	75-125	3	20	
Selenium	mg/kg	0.43 U	15.6	15.7	12.4	12.5	79	79	75-125	1	20	
Silver	mg/kg	0.14 U	1.6	1.6	1.5	1.5	90	91	75-125	2	20	
Vanadium	mg/kg	2.9	15.6	15.7	17.2	17.9	91	95	75-125	4	20	

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

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35443202

QC Batch: 509829 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 35443202001, 35443202002, 35443202003, 35443202004, 35443202005, 35443202006, 35443202007, 35443202008

SAMPLE DUPLICATE: 2752864

Parameter	Units	35443192001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.7	4.9	4	10	

SAMPLE DUPLICATE: 2752865

Parameter	Units	35443202007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	3.7	4.2	13	10	J(D6)

SAMPLE DUPLICATE: 2752866

Parameter	Units	35443354005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.7	5.6	3	10	

SAMPLE DUPLICATE: 2753174

Parameter	Units	35443153001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	1.0	1.0	1	10	

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

REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: JEA SJRPP
Pace Project No.: 35443202

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(R1)	Estimated Value. RPD value was outside control limits.

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP
Pace Project No.: 35443202

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35443202001	**CYSB4-1**	EPA 3050	510206	EPA 6010	510308
35443202002	**CYSB5-1**	EPA 3050	510206	EPA 6010	510308
35443202003	**CYSB6-1**	EPA 3050	510333	EPA 6010	510357
35443202004	**CYSB7-1**	EPA 3050	510333	EPA 6010	510357
35443202005	**CYSB8-1**	EPA 3050	510333	EPA 6010	510357
35443202006	**CYSB9-1**	EPA 3050	510333	EPA 6010	510357
35443202007	**CYSB10-1**	EPA 3050	510333	EPA 6010	510357
35443202008	**CYSB11-1**	EPA 3050	510333	EPA 6010	510357
35443202001	**CYSB4-1**	EPA 7471	509475	EPA 7471	509683
35443202002	**CYSB5-1**	EPA 7471	509475	EPA 7471	509683
35443202003	**CYSB6-1**	EPA 7471	509475	EPA 7471	509683
35443202004	**CYSB7-1**	EPA 7471	509475	EPA 7471	509683
35443202005	**CYSB8-1**	EPA 7471	509475	EPA 7471	509683
35443202006	**CYSB9-1**	EPA 7471	509475	EPA 7471	509683
35443202007	**CYSB10-1**	EPA 7471	509475	EPA 7471	509683
35443202008	**CYSB11-1**	EPA 7471	509475	EPA 7471	509683
35443202001	**CYSB4-1**	ASTM D2974-87	509829		
35443202002	**CYSB5-1**	ASTM D2974-87	509829		
35443202003	**CYSB6-1**	ASTM D2974-87	509829		
35443202004	**CYSB7-1**	ASTM D2974-87	509829		
35443202005	**CYSB8-1**	ASTM D2974-87	509829		
35443202006	**CYSB9-1**	ASTM D2974-87	509829		
35443202007	**CYSB10-1**	ASTM D2974-87	509829		
35443202008	**CYSB11-1**	ASTM D2974-87	509829		

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WO# : 35443202

35443202

CHAIN-OF-CUSTODY / Analytical Request Document

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

Section A
Required Client Information:

Company:	APTIM-Environmental & Infrastructure, Inc-Jackson
Address:	1228 Winter Garden Vineland Rd
	Winter Garden, FL 34787
Email:	greg.dever@aptim.com
Phone:	(407)466-6895 Fax:
Requested Due Date:	STAndard TAT

Required Project Information:

Report To:	Greg Dever
Copy To:	
Purchase Order #:	
Project Name:	JEA SJRPP
Project #:	

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	todd.rea@pacelabs.com,
Pace Profile #:	10649-3

Regulatory Agency

State / Location
FL

ITEM #	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 START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals*(6010/7471) RCRA 8	PAHs (8270SIM) Broken	TRPH (FL-PRO) MO	2	V	Residual Chlorine (Y/N)
1	CYSB4-1	SL	C	1/17/19	1340				1										✓	✓	✓	✓	✓	
2	CYSB5-1	SL	C	1/17/19	1417				1										✓	✓	✓	✓	✓	
3	CYSB6-1	SL	C	1/17/19	1535				1										✓	✓	✓	✓	✓	
4	CYSB7-1	SL	C	1/17/19	1620				1										✓	✓	✓	✓	✓	
5	CYSB8-1	SL	C	1/18/19	0830				1										✓	✓	✓	✓	✓	
6	CYSB9-1	SL	C	1/18/19	0935				1										✓	✓	✓	✓	✓	
7	CYSB10-1	SL	C	1/18/19	1000				1										✓	✓	✓	✓	✓	
8	CYSB11-1	SL	C	1/18	1145				1										✓	✓	✓	✓	✓	
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
*RCRA 8 (As, Ba, Cd, Cr, Pb, Hg, Se, Ag) plus B, Mo, Ni, V	Roger Grenville	1/18/19	1455	[illegible]	1/18/19	1455
	[illegible]	1/18/19	1700	HLX Colon	1/18/19	1700
	HLX Colon			GGI/pace	1/19/19	0014

SAMPLE CONDITIONS			
4.4	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Roger Grenville

SIGNATURE of SAMPLER: R. Grenville DATE Signed: 1/18/19

TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

WO# : 35443202

35443202

Pace Analytical

HAIN-OF-CUSTODY / Analytical Request Document

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

Page : 2 Of 3

Section A — **Required Client Information:**

Company: APTIM-Environmental & Infrastructure, Inc-Jackson	Report To: Greg Dever	Attention:	
Address: 1228 Winter Garden Vineland Rd	Copy To:	Company Name:	
Winter Garden, FL 34787		Address:	Regulatory Agency
Email: greg.dever@aptim.com	Purchase Order #:	Pace Quote:	
Phone: (407)466-6895 Fax:	Project Name: JEA SJRPP Coal Yard	Pace Project Manager: todd.rea@pacelabs.com,	State / Location
Requested Due Date: Standard TAT	Project #:	Pace Profile #: 10649-3	FL

Section C — **Invoice Information:**

ITEM #	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 START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Metals* (6010/7471) RCRA-8: B	Mo	Ni	V	Residual Chlorine (Y/N)
1	CYSB4-2	SL	C	1/17/19	1345				1										✓	✓	✓	✓	✓	
2	CYSB5-2	SL	C	1/17/19	1422				1										✓	✓	✓	✓	✓	
3	CYSB6-2	SL	C	11/7/19	1540				1										✓	✓	✓	✓	✓	
4	CYSB7-2	SL	C	1/17/19	1625				1										✓	✓	✓	✓	✓	
5	CYSB8-2	SL	C	1/18/19	0835				1										✓	✓	✓	✓	✓	
6	CYSB9-2	SL	C	1/18/19	0940				1										✓	✓	✓	✓	✓	
7	CYSB10-2	SL	C	1/18/19	1015				1										✓	✓	✓	✓	✓	
8	CYSB11-2	SL	C	1/18	1150				1										✓	✓	✓	✓	✓	
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
* As, Ba, Cd, Cr, Pb, Se, Ag, B, Mo, Ni, V (6010), Hg (7471)	Roger Grenville	1/18/19	1455	[illegible] / Pace	1/18/19	1455				
	[illegible] / Pace	1/18/19	1700	FLX Courier	1/18/19	1700				
Hold until directed	FLX Courier			DGL / pace	1/19/19	0014	4.4	Y	N	Y

SAMPLER NAME AND SIGNATURE			TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Roger Grenville						
SIGNATURE of SAMPLER: Roger Grenville	DATE Signed: 1/18/19					

2-3 COC

Pace Analytical

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page : 3 Of 3

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	APTIM-Environmental & Infrastructure, Inc-Jackson	Report To:	Greg Dever	Attention:	
Address:	1228 Winter Garden Vineland Rd	Copy To:		Company Name:	
	Winter Garden, FL 34787			Address:	
Email:	greg.dever@aptim.com	Purchase Order #:		Pace Quote:	
Phone:	(407)466-6895 Fax:	Project Name:	JEA SJRPP Coal Yard	Pace Project Manager:	todd.rea@pacelabs.com,
Requested Due Date:	STANDARD TAT	Project #:		Pace Profile #:	10649-3

Regulatory Agency
State / Location
FL

ITEM #	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 START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analyses Test: Metals* (6010/7471) Rec'd B	Mo	Ni	V	Residual Chlorine (Y/N)
1	CYSB4-3	SL	C	1/17/19	1350				1										✓	✓	✓	✓	✓	
2	CYSB5-3	SL	C	1/17/19	1427				1										✓	✓	✓	✓	✓	
3	CYSB6-3	SL	C	1117/19	1545				1										✓	✓	✓	✓	✓	
4	CYSB7-3	SL	C	1117/19	1630				1										✓	✓	✓	✓	✓	
5	CYSB8-3	SL	C	1118/19	0840				1										✓	✓	✓	✓	✓	
6	CYSB9-3	SL	C	1118/19	0945				1										✓	✓	✓	✓	✓	
7	CYSB10-3	SL	C	1118/19	1020				1										✓	✓	✓	✓	✓	
8	CYSB11-3	SL	C	1118	1155				1										✓	✓	✓	✓	✓	
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
* As, Ba, Cd, Cr, Pb, Se, Ag, B, Mo, Ni, V (6010), Hg (7471)		1/18/19	1455	/Pace	1/18/19	1455				
	/Pace	1/18/19	1700	FEX Courier	1/18/19	1700				
Hold until directed	FEX Courier			/Pace	1/19/19	0914	4.4	Y	N	Y

SAMPLER NAME AND SIGNATURE		
PRINT Name of SAMPLER:	Roger Greenville	
SIGNATURE of SAMPLER:		DATE Signed: 1/18/19

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

WO# : 35443202

PM: TSR Due Date: 01/25/19

CLIENT: SHAJAX

Project:

Project Manager:

Client:

Date and Initials of person:
Examining contents: JH 1/19
Label:
Deliver:
pH:

Thermometer Used: T-338 Date: 1/19/19 Time: 0014 Initials: JGJ

State of Origin: ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	4.2 **(Visual)**	+0.2 **(Correction Factor)**	4.4 **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	**(Visual)**	**(Correction Factor)**	**(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	**(Visual)**	**(Correction Factor)**	**(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	**(Visual)**	**(Correction Factor)**	**(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	**(Visual)**	**(Correction Factor)**	**(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	**(Visual)**	**(Correction Factor)**	**(Actual)**	☐ 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 Dry 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	☑Yes ☐ No ☐N/A	
Chain of Custody Filled Out	☑Yes ☐ No ☐N/A	
Relinquished Signature & Sampler Name COC	☑Yes ☐ No ☐N/A	
Samples Arrived within Hold Time	☑Yes ☐ No ☐N/A	
Rush TAT requested on COC	☐Yes ☑ No ☐N/A	
Sufficient Volume	☑Yes ☐ No ☐N/A	
Correct Containers Used	☑Yes ☐ No ☐N/A	
Containers Intact	☑Yes ☐ No ☐N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑Yes ☐ No ☐N/A	
All containers needing acid/base preservation have been checked.	☐Yes ☐ No ☑N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐Yes ☐ No ☑N/A	Preservative: Lot #/Trace #: Date: Time: Initials:
Headspace in VOA Vials? (>6mm):	☐Yes ☐ No ☑N/A	
Trip Blank Present:	☐Yes ☐ No ☑N/A	

Client Notification/ Resolution:
Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

December 06, 2019

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP
Pace Project No.: 35516378

Dear Mr. Dever:
Enclosed are the analytical results for sample(s) received by the laboratory on December 04, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Mr. William Mahler, APTIM-Environmental & Infrastructure, Inc.

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

CERTIFICATIONS

Project: JEA SJRPP
Pace Project No.: 35516378

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
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
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
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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Ormond Beach, FL 32174
(386)672-5668

SAMPLE SUMMARY

Project: JEA SJRPP
Pace Project No.: 35516378

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35516378001	**CYSS1A**	Solid	12/03/19 13:35	12/04/19 08:30
35516378002	**CYSS2A**	Solid	12/03/19 14:05	12/04/19 08:30

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP
Pace Project No.: 35516378

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35516378001	**CYSS1A**	EPA 6010	LEC	11	PASI-O
		EPA 7471	NMP	1	PASI-O
		ASTM D2974-87	JM2	1	PASI-O
35516378002	**CYSS2A**	EPA 6010	LEC	11	PASI-O
		EPA 7471	NMP	1	PASI-O
		ASTM D2974-87	JM2	1	PASI-O

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SUMMARY OF DETECTION

Project: JEA SJRPP
Pace Project No.: 35516378

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35516378001	**CYSS1A**					
EPA 6010	Arsenic	0.69	mg/kg	0.67	12/06/19 12:10	
EPA 6010	Barium	6.3	mg/kg	0.67	12/06/19 12:10	
EPA 6010	Boron	1.7 I	mg/kg	3.4	12/06/19 12:10	
EPA 6010	Chromium	2.8	mg/kg	0.34	12/06/19 12:10	
EPA 6010	Lead	3.1	mg/kg	0.67	12/06/19 12:10	
EPA 6010	Nickel	1.4	mg/kg	0.34	12/06/19 12:10	
EPA 6010	Vanadium	4.7	mg/kg	0.67	12/06/19 12:10	
EPA 7471	Mercury	0.014	mg/kg	0.011	12/06/19 12:46	
ASTM D2974-87	Percent Moisture	11.6	%	0.10	12/05/19 08:29	
35516378002	**CYSS2A**					
EPA 6010	Barium	3.6	mg/kg	0.71	12/06/19 12:15	
EPA 6010	Chromium	1.9	mg/kg	0.36	12/06/19 12:15	
EPA 6010	Lead	1.8	mg/kg	0.71	12/06/19 12:15	
EPA 6010	Nickel	0.62	mg/kg	0.36	12/06/19 12:15	
EPA 6010	Vanadium	3.0	mg/kg	0.71	12/06/19 12:15	
EPA 7471	Mercury	0.0095 I	mg/kg	0.011	12/06/19 13:02	
ASTM D2974-87	Percent Moisture	12.3	%	0.10	12/05/19 08:29	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35516378

Sample: CYSS1A **Lab ID: 35516378001** Collected: 12/03/19 13:35 Received: 12/04/19 08:30 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								
Arsenic	**0.69**	mg/kg	0.67	0.34	1	12/05/19 15:53	12/06/19 12:10	7440-38-2	
Barium	**6.3**	mg/kg	0.67	0.34	1	12/05/19 15:53	12/06/19 12:10	7440-39-3	
Boron	**1.7 I**	mg/kg	3.4	1.7	1	12/05/19 15:53	12/06/19 12:10	7440-42-8	
Cadmium	**0.034 U**	mg/kg	0.067	0.034	1	12/05/19 15:53	12/06/19 12:10	7440-43-9	
Chromium	**2.8**	mg/kg	0.34	0.17	1	12/05/19 15:53	12/06/19 12:10	7440-47-3	
Lead	**3.1**	mg/kg	0.67	0.34	1	12/05/19 15:53	12/06/19 12:10	7439-92-1	
Molybdenum	**0.34 U**	mg/kg	0.67	0.34	1	12/05/19 15:53	12/06/19 12:10	7439-98-7	
Nickel	**1.4**	mg/kg	0.34	0.17	1	12/05/19 15:53	12/06/19 12:10	7440-02-0	
Selenium	**0.51 U**	mg/kg	1.0	0.51	1	12/05/19 15:53	12/06/19 12:10	7782-49-2	
Silver	**0.17 U**	mg/kg	0.34	0.17	1	12/05/19 15:53	12/06/19 12:10	7440-22-4	
Vanadium	**4.7**	mg/kg	0.67	0.34	1	12/05/19 15:53	12/06/19 12:10	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.014**	mg/kg	0.011	0.0055	1	12/05/19 13:57	12/06/19 12:46	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.6**	%	0.10	0.10	1		12/05/19 08:29		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35516378

Sample: CYSS2A **Lab ID: 35516378002** Collected: 12/03/19 14:05 Received: 12/04/19 08:30 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								
Arsenic	**0.36 U**	mg/kg	0.71	0.36	1	12/05/19 15:53	12/06/19 12:15	7440-38-2	
Barium	**3.6**	mg/kg	0.71	0.36	1	12/05/19 15:53	12/06/19 12:15	7440-39-3	
Boron	**1.8 U**	mg/kg	3.6	1.8	1	12/05/19 15:53	12/06/19 12:15	7440-42-8	
Cadmium	**0.036 U**	mg/kg	0.071	0.036	1	12/05/19 15:53	12/06/19 12:15	7440-43-9	
Chromium	**1.9**	mg/kg	0.36	0.18	1	12/05/19 15:53	12/06/19 12:15	7440-47-3	
Lead	**1.8**	mg/kg	0.71	0.36	1	12/05/19 15:53	12/06/19 12:15	7439-92-1	
Molybdenum	**0.36 U**	mg/kg	0.71	0.36	1	12/05/19 15:53	12/06/19 12:15	7439-98-7	
Nickel	**0.62**	mg/kg	0.36	0.18	1	12/05/19 15:53	12/06/19 12:15	7440-02-0	
Selenium	**0.53 U**	mg/kg	1.1	0.53	1	12/05/19 15:53	12/06/19 12:15	7782-49-2	
Silver	**0.18 U**	mg/kg	0.36	0.18	1	12/05/19 15:53	12/06/19 12:15	7440-22-4	
Vanadium	**3.0**	mg/kg	0.71	0.36	1	12/05/19 15:53	12/06/19 12:15	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0095 I**	mg/kg	0.011	0.0056	1	12/05/19 13:57	12/06/19 13:02	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.3**	%	0.10	0.10	1		12/05/19 08:29		

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35516378

QC Batch: 592530 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 35516378001, 35516378002

METHOD BLANK: 3222464 Matrix: Solid
Associated Lab Samples: 35516378001, 35516378002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0049 U	0.0098	0.0049	12/06/19 12:33	

LABORATORY CONTROL SAMPLE: 3222465

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.092	0.094	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3222466 3222467

Parameter	Units	35516378001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.014	0.1	0.11	0.11	0.12	97	97	80-120	3	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35516378

QC Batch: 592558 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
Associated Lab Samples: 35516378001, 35516378002

METHOD BLANK: 3222511 Matrix: Solid
Associated Lab Samples: 35516378001, 35516378002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.31 U	0.61	0.31	12/06/19 10:14	
Barium	mg/kg	0.31 U	0.61	0.31	12/06/19 10:14	
Boron	mg/kg	1.5 U	3.1	1.5	12/06/19 10:14	
Cadmium	mg/kg	0.031 U	0.061	0.031	12/06/19 10:14	
Chromium	mg/kg	0.15 U	0.31	0.15	12/06/19 10:14	
Lead	mg/kg	0.31 U	0.61	0.31	12/06/19 10:14	
Molybdenum	mg/kg	0.31 U	0.61	0.31	12/06/19 10:14	
Nickel	mg/kg	0.15 U	0.31	0.15	12/06/19 10:14	
Selenium	mg/kg	0.46 U	0.92	0.46	12/06/19 10:14	
Silver	mg/kg	0.15 U	0.31	0.15	12/06/19 10:14	
Vanadium	mg/kg	0.31 U	0.61	0.31	12/06/19 10:14	

LABORATORY CONTROL SAMPLE: 3222512

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	15	14.7	98	80-120	
Barium	mg/kg	15	15.2	102	80-120	
Boron	mg/kg	74.8	70.8	95	80-120	
Cadmium	mg/kg	1.5	1.5	102	80-120	
Chromium	mg/kg	15	16.0	107	80-120	
Lead	mg/kg	15	15.7	105	80-120	
Molybdenum	mg/kg	15	15.8	106	80-120	
Nickel	mg/kg	15	16.1	107	80-120	
Selenium	mg/kg	15	14.3	96	80-120	
Silver	mg/kg	1.5	1.5	99	80-120	
Vanadium	mg/kg	15	16.2	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3222513 3222514

Parameter	Units	35509069041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	2.6	20.2	19.8	23.9	23.0	105	103	75-125	4	20	
Barium	mg/kg	16.9	20.2	19.8	37.9	34.5	104	89	75-125	9	20	
Boron	mg/kg	6.6	101	99	101	103	94	97	75-125	1	20	
Cadmium	mg/kg	0.29	2.1	1.9	2.2	2.2	97	96	75-125	3	20	
Chromium	mg/kg	15.0	20.2	19.8	39.9	38.0	123	117	75-125	5	20	
Lead	mg/kg	9.2	20.2	19.8	31.3	28.6	109	98	75-125	9	20	
Molybdenum	mg/kg	0.42 U	20.2	19.8	20.2	20.6	98	103	75-125	2	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35516378

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3222513 3222514

Parameter	Units	35509069041 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nickel	mg/kg	2.0	20.2	19.8	22.1	22.3	99	103	75-125	1	20	
Selenium	mg/kg	0.64 U	20.2	19.8	19.5	19.6	97	99	75-125	0	20	
Silver	mg/kg	0.21 U	2.1	1.9	2.2	2.2	108	108	75-125	2	20	
Vanadium	mg/kg	3.9	20.2	19.8	26.4	25.1	111	107	75-125	5	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35516378

QC Batch: 592386 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 35516378001, 35516378002

SAMPLE DUPLICATE: 3222058

Parameter	Units	35515700005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	8.3	8.5	2	10	

SAMPLE DUPLICATE: 3222059

Parameter	Units	35515891011 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	0.21	0.22	6	10	

SAMPLE DUPLICATE: 3222060

Parameter	Units	35515938013 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	2.7	2.8	4	10	

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(386)672-5668

QUALIFIERS

Project: JEA SJRPP
Pace Project No.: 35516378

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP
Pace Project No.: 35516378

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35516378001	**CYSS1A**	EPA 3050	592558	EPA 6010	592686
35516378002	**CYSS2A**	EPA 3050	592558	EPA 6010	592686
35516378001	**CYSS1A**	EPA 7471	592530	EPA 7471	592809
35516378002	**CYSS2A**	EPA 7471	592530	EPA 7471	592809
35516378001	**CYSS1A**	ASTM D2974-87	592386		
35516378002	**CYSS2A**	ASTM D2974-87	592386		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 35516378

35516378

Pace Workorder Number or

USE ONLY

Company: APTIM Environmental & Infrastructure, Inc.	Billing Information: P-Card
Address: 1228 Winter Garden Vineland Rd. Winter Garden, FL 34787	
Report To: Greg Dever	Email To: greg.dever@aptim.com
Copy To: shane Yenchi shane.yenchi@aptim.com	Site Collection Info/Address: Coal Yadr Ditch
Customer Project Name/Number: JEA SJRPP	State: FL / County/City: JAX / Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET
Phone: 407-466-6895 Email: greg.dever@aptim.com	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Roger Grenville	Purchase Order # : / Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature): Ro Grenville	Turnaround Date Required: / Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: ____ [ ] Hold: ____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [X] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [X] No Analysis: ____

Container Preservative Type: U U U U U U

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other ____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	RCRA 8 Metals (6010 / 7471)	Boron (6010)	Molybdenum (6010)	Nickel (6010)	Vanadium (6010)
CYSS 1A	SL	GrAB	12/3/19	1335				1	✓	✓	✓	✓	✓
CYSS 2A	SL	GrAB	12/3/19	1405				1	✓	✓	✓	✓	✓

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: ____			
Sample pH Acceptable	Y	N	NA
pH Strips: ____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: ____			

LAB USE ONLY:
Lab Sample # / Comments:

RUSH

S-14168 ULINE 1-800-295-5510

Customer Remarks / Special Conditions / Possible Hazards:

10649-3

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours) :

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

Temp Blank Received: Y N NA
Therm ID#: ____
Cooler 1 Temp Upon Receipt: __oC
Cooler 1 Therm Corr. Factor: __oC
Cooler 1 Corrected Temp: __oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	12/4/19 1720	PACE	12/4/19 0830
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Pace	12/4/19 1700	FCX	12/4/19 1700
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
FCX			12/5/19 0830

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

WO#: 35516378
PM: TSR Due Date: 12/09/19
CLIENT: SHAJAX

Project #
Project Manager:
Client:

Date and Initials of person:
Examining contents: 12/5/19
Label: 12/5/19
Deliver: 12/5/19
pH:

Thermometer Used: T-337 Date: 12/5/19 Time: 00:39 Initials: JMT

State of Origin: ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C 2.6	(Visual) 0	(Correction Factor) 2.6	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ 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 ☐ Dry ☐ 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	☑Yes ☐ No ☐N/A	
Chain of Custody Filled Out	☑Yes ☐ No ☐N/A	
Relinquished Signature & Sampler Name COC	☑Yes ☐ No ☐N/A	
Samples Arrived within Hold Time	☑Yes ☐ No ☐N/A	
Rush TAT requested on COC	☑Yes ☐ No ☐N/A	
Sufficient Volume	☑Yes ☐ No ☐N/A	
Correct Containers Used	☑Yes ☐ No ☐N/A	
Containers Intact	☑Yes ☐ No ☐N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑Yes ☐ No ☐N/A	
All containers needing acid/base preservation have been checked.	☐Yes ☐ No ☑N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐Yes ☐ No ☑N/A	Preservative:_____ Lot #/Trace #:_____ Date:_____ Time:_____ Initials:_____
Headspace in VOA Vials? (>6mm):	☐Yes ☐ No ☑N/A	
Trip Blank Present:	☐Yes ☑ No ☐N/A	

Client Notification/ Resolution:
Person Contacted:_____ Date/Time:_____

~~Comments/ Resolution (use back for additional comments):~~_____

Project Manager Review:_____ Date:_____

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

December 17, 2019

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP
Pace Project No.: 35518560

Dear Mr. Dever:
Enclosed are the analytical results for sample(s) received by the laboratory on December 12, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Mr. William Mahler, APTIM-Environmental & Infrastructure, Inc.

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CERTIFICATIONS

Project: JEA SJRPP
Pace Project No.: 35518560

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
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
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
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: JEA SJRPP
Pace Project No.: 35518560

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35518560001	**CYPDSS3A**	Solid	12/12/19 09:30	12/12/19 11:25

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP
Pace Project No.: 35518560

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35518560001	**CYPDSS3A**	EPA 6010	CS2	11	PASI-O
		EPA 7471	NMP	1	PASI-O
		ASTM D2974-87	JM2	1	PASI-O

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SUMMARY OF DETECTION

Project: JEA SJRPP
Pace Project No.: 35518560

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35518560001	**CYPDSS3A**					
EPA 6010	Barium	4.8	mg/kg	0.61	12/16/19 13:58	
EPA 6010	Chromium	3.0	mg/kg	0.30	12/16/19 13:58	
EPA 6010	Lead	2.1	mg/kg	0.61	12/16/19 13:58	
EPA 6010	Nickel	1.3	mg/kg	0.30	12/16/19 13:58	
EPA 6010	Vanadium	2.7	mg/kg	0.61	12/16/19 13:58	
EPA 7471	Mercury	0.0093	mg/kg	0.010	12/16/19 12:08	I
ASTM D2974-87	Percent Moisture	6.6	%	0.10	12/17/19 12:27	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35518560

Sample: CYPDSS3A **Lab ID: 35518560001** Collected: 12/12/19 09:30 Received: 12/12/19 11:25 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								
Arsenic	**0.30 U**	mg/kg	0.61	0.30	1	12/14/19 15:21	12/16/19 13:58	7440-38-2	
Barium	**4.8**	mg/kg	0.61	0.30	1	12/14/19 15:21	12/16/19 13:58	7440-39-3	
Boron	**1.5 U**	mg/kg	3.0	1.5	1	12/14/19 15:21	12/16/19 13:58	7440-42-8	
Cadmium	**0.030 U**	mg/kg	0.061	0.030	1	12/14/19 15:21	12/16/19 13:58	7440-43-9	
Chromium	**3.0**	mg/kg	0.30	0.15	1	12/14/19 15:21	12/16/19 13:58	7440-47-3	
Lead	**2.1**	mg/kg	0.61	0.30	1	12/14/19 15:21	12/16/19 13:58	7439-92-1	
Molybdenum	**0.30 U**	mg/kg	0.61	0.30	1	12/14/19 15:21	12/16/19 13:58	7439-98-7	
Nickel	**1.3**	mg/kg	0.30	0.15	1	12/14/19 15:21	12/16/19 13:58	7440-02-0	
Selenium	**0.46 U**	mg/kg	0.91	0.46	1	12/14/19 15:21	12/16/19 13:58	7782-49-2	
Silver	**0.15 U**	mg/kg	0.30	0.15	1	12/14/19 15:21	12/16/19 13:58	7440-22-4	
Vanadium	**2.7**	mg/kg	0.61	0.30	1	12/14/19 15:21	12/16/19 13:58	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0093 I**	mg/kg	0.010	0.0051	1	12/13/19 13:00	12/16/19 12:08	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**6.6**	%	0.10	0.10	1		12/17/19 12:27		

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35518560

QC Batch: 594775 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 35518560001

METHOD BLANK: 3235669 Matrix: Solid
Associated Lab Samples: 35518560001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0047 U	0.0095	0.0047	12/16/19 11:11	

LABORATORY CONTROL SAMPLE: 3235670

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.096	0.094	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3235671 3235672

Parameter	Units	35517714001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.15	0.33	0.32	0.31	0.36	52	66	80-120	13	20	J(M1)

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35518560

QC Batch: 595016
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET Solid
Associated Lab Samples: 35518560001

METHOD BLANK: 3237374
Matrix: Solid
Associated Lab Samples: 35518560001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.31 U	0.62	0.31	12/16/19 12:14	
Barium	mg/kg	0.31 U	0.62	0.31	12/16/19 12:14	
Boron	mg/kg	1.5 U	3.1	1.5	12/16/19 12:14	
Cadmium	mg/kg	0.031 U	0.062	0.031	12/16/19 12:14	
Chromium	mg/kg	0.15 U	0.31	0.15	12/16/19 12:14	
Lead	mg/kg	0.31 U	0.62	0.31	12/16/19 12:14	
Molybdenum	mg/kg	0.31 U	0.62	0.31	12/16/19 12:14	
Nickel	mg/kg	0.15 U	0.31	0.15	12/16/19 12:14	
Selenium	mg/kg	0.46 U	0.92	0.46	12/16/19 12:14	
Silver	mg/kg	0.15 U	0.31	0.15	12/16/19 12:14	
Vanadium	mg/kg	0.31 U	0.62	0.31	12/16/19 12:14	

LABORATORY CONTROL SAMPLE: 3237375

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	15.3	15.0	98	80-120	
Barium	mg/kg	15.3	15.9	104	80-120	
Boron	mg/kg	76.6	73.1	95	80-120	
Cadmium	mg/kg	1.5	1.6	103	80-120	
Chromium	mg/kg	15.3	16.2	106	80-120	
Lead	mg/kg	15.3	16.0	105	80-120	
Molybdenum	mg/kg	15.3	16.1	105	80-120	
Nickel	mg/kg	15.3	16.2	106	80-120	
Selenium	mg/kg	15.3	14.1	92	80-120	
Silver	mg/kg	1.5	1.5	101	80-120	
Vanadium	mg/kg	15.3	16.1	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3237376 3237377

Parameter	Units	35516539001 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	16.2	16.1	17.0	16.8	95	95	75-125	1	20	
Barium	mg/kg	130	16.2	16.1	145	145	92	91	75-125	0	20	L
Boron	mg/kg	74.8	80.7	80.1	149	147	91	90	75-125	1	20	
Cadmium	mg/kg	1.0	1.6	1.6	2.6	2.5	96	92	75-125	2	20	
Chromium	mg/kg	13.9	16.2	16.1	31.1	30.9	107	106	75-125	1	20	
Lead	mg/kg	10.5	16.2	16.1	26.0	25.9	96	96	75-125	0	20	
Molybdenum	mg/kg	8.3	16.2	16.1	24.1	23.8	98	97	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35518560

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3237376 3237377

Parameter	Units	35516539001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nickel	mg/kg	11.9	16.2	16.1	28.4	28.1	102	101	75-125	1	20	
Selenium	mg/kg	5.2	16.2	16.1	20.5	20.3	94	94	75-125	1	20	
Silver	mg/kg	3.9	1.6	1.6	5.2	4.9	81	66	75-125	5	20	J(M1)
Vanadium	mg/kg	8.2	16.2	16.1	24.9	24.7	103	103	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35518560

QC Batch: 595592
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 35518560001

SAMPLE DUPLICATE: 3239444

Parameter	Units	35517714001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	70.8	71.0	0	10	

SAMPLE DUPLICATE: 3239445

Parameter	Units	35518330002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	0.80	2.2	93	10	J(D6)

SAMPLE DUPLICATE: 3239446

Parameter	Units	35518401007 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.4	7.5	1	10	

SAMPLE DUPLICATE: 3239447

Parameter	Units	35518571030 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.3	5.0	17	10	J(D6)

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(386)672-5668

QUALIFIERS

Project: JEA SJRPP
Pace Project No.: 35518560

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
L	Off-scale high. Actual value is known to be greater than value given.

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP
Pace Project No.: 35518560

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35518560001	**CYPDSS3A**	EPA 3050	595016	EPA 6010	595046
35518560001	**CYPDSS3A**	EPA 7471	594775	EPA 7471	594842
35518560001	**CYPDSS3A**	ASTM D2974-87	595592		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 35518560

35518560

LAB | Number or

Company: APTIM Environmental & Infrastructure, Inc.	Billing Information: P-Card
Address: 1228 Winter Garden Vineland Rd. Winter Garden, FL 34787	
Report To: Greg Dever	Email To: greg.dever@aptim.com
Copy To: shane Yenchi shane.yenchi@aptim.com	Site Collection Info/Address: Coal Yadr Ditch
Customer Project Name/Number: JEA SJRPP	State: FL / County/City: JAX / Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET
Phone: 407-466-6895 Email: greg.dever@aptim.com	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Roger Grenville	Purchase Order # : Quote #: / DW PWS ID #: DW Location Code:
Collected By (signature): Ron Grenville	Turnaround Date Required: / Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [X] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [X] No / Analysis: _____

Container Preservative Type

U		U		U		U		U	

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	RCRA 8 Metals (6010 / 7471)		Boron (6010)	Molybdenum (6010)		Nickel (6010)		Vanadium (6010)
CYPDSS3A	SL	G	12/12/19	0930				1	✓		✓	✓		✓		✓

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

10649-3

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours) : Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: __oC
Cooler 1 Therm Corr. Factor: __oC
Cooler 1 Corrected Temp: _____oC
Comments:

	Date/Time		Date/Time
Relinquished by/Company: (Signature) Ron Grenville	12/12/19 1125	Received by/Company: (Signature) PACE	12/12/19 1125
Relinquished by/Company: (Signature) PACE	12/12/19 1700	Received by/Company: (Signature) FCX	12/12/19 1700
Relinquished by/Company: (Signature) FCX	Date/Time:	Received by/Company: (Signature) UNITED	Date/Time: 12/13/19 0830

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # WO#: 35518560

Project Manager: PM: TSR Due Date: 12/17/19

Client: CLIENT: SHAJAX

Date and Initials of person:
examining contents: JMT
Label:
Deliver:
PH:

Thermometer Used: T-331 Date: 12/13/19 Time: 00:35 Initials: JMT

State of Origin: ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	4.5 (Visual)	0 (Correction Factor)	4.5 (Actual)	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ 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 Dry 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	☑Yes ☐ No ☐N/A	
Chain of Custody Filled Out	☑Yes ☐ No ☐N/A	
Relinquished Signature & Sampler Name COC	☑Yes ☐ No ☐N/A	
Samples Arrived within Hold Time	☑Yes ☐ No ☐N/A	
Rush TAT requested on COC	☑Yes ☐ No ☐N/A	3 Day
Sufficient Volume	☑Yes ☐ No ☐N/A	
Correct Containers Used	☑Yes ☐ No ☐N/A	
Containers Intact	☑Yes ☐ No ☐N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑Yes ☐ No ☐N/A	
All containers needing acid/base preservation have been checked.	☐Yes ☐ No ☑N/A	Preservation Information: Preservative: Lot #/Trace #: Date: Time: Initials:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐Yes ☐ No ☑N/A	
Headspace in VOA Vials? (>6mm):	☐Yes ☐ No ☑N/A	
Trip Blank Present:	☐Yes ☑ No ☐N/A	

Client Notification/ Resolution:

Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

January 08, 2020

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP
Pace Project No.: 35521889

Dear Mr. Dever:
Enclosed are the analytical results for sample(s) received by the laboratory on January 03, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Mr. William Mahler, APTIM-Environmental & Infrastructure, Inc.

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CERTIFICATIONS

Project: JEA SJRPP
Pace Project No.: 35521889

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
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
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
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: JEA SJRPP
Pace Project No.: 35521889

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35521889001	**CYPDSS4A**	Solid	01/03/20 10:10	01/03/20 12:31

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP
Pace Project No.: 35521889

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35521889001	**CYPDSS4A**	EPA 6010	CS2	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	AZL	1	PASI-O

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SUMMARY OF DETECTION

Project: JEA SJRPP
Pace Project No.: 35521889

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35521889001	**CYPDSS4A**					
EPA 6010	Barium	4.1	mg/kg	0.66	01/08/20 11:45	
EPA 6010	Chromium	2.2	mg/kg	0.33	01/08/20 11:45	
EPA 6010	Lead	2.6	mg/kg	0.66	01/08/20 11:45	
EPA 6010	Nickel	0.73	mg/kg	0.33	01/08/20 11:45	
EPA 6010	Vanadium	1.8	mg/kg	0.66	01/08/20 11:45	
ASTM D2974-87	Percent Moisture	8.0	%	0.10	01/06/20 08:13	

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35521889

Sample: CYPDSS4A **Lab ID: 35521889001** Collected: 01/03/20 10:10 Received: 01/03/20 12:31 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								
Arsenic	**0.33 U**	mg/kg	0.66	0.33	1	01/05/20 14:37	01/08/20 11:45	7440-38-2	
Barium	**4.1**	mg/kg	0.66	0.33	1	01/05/20 14:37	01/08/20 11:45	7440-39-3	
Boron	**1.6 U**	mg/kg	3.3	1.6	1	01/05/20 14:37	01/08/20 11:45	7440-42-8	
Cadmium	**0.033 U**	mg/kg	0.066	0.033	1	01/05/20 14:37	01/08/20 11:45	7440-43-9	
Chromium	**2.2**	mg/kg	0.33	0.16	1	01/05/20 14:37	01/08/20 11:45	7440-47-3	
Lead	**2.6**	mg/kg	0.66	0.33	1	01/05/20 14:37	01/08/20 11:45	7439-92-1	
Molybdenum	**0.33 U**	mg/kg	0.66	0.33	1	01/05/20 14:37	01/08/20 11:45	7439-98-7	
Nickel	**0.73**	mg/kg	0.33	0.16	1	01/05/20 14:37	01/08/20 11:45	7440-02-0	
Selenium	**0.49 U**	mg/kg	0.99	0.49	1	01/05/20 14:37	01/08/20 11:45	7782-49-2	
Silver	**0.16 U**	mg/kg	0.33	0.16	1	01/05/20 14:37	01/08/20 11:45	7440-22-4	
Vanadium	**1.8**	mg/kg	0.66	0.33	1	01/05/20 14:37	01/08/20 11:45	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0053 U**	mg/kg	0.011	0.0053	1	01/06/20 13:01	01/08/20 10:30	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.0**	%	0.10	0.10	1		01/06/20 08:13		

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35521889

QC Batch: 599540 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 35521889001

METHOD BLANK: 3258646 Matrix: Solid
Associated Lab Samples: 35521889001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0047 U	0.0095	0.0047	01/08/20 09:24	

LABORATORY CONTROL SAMPLE: 3258647

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.094	0.082	87	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3258648 3258649

Parameter	Units	35521587001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.054	0.11	0.11	0.10	0.11	44	52	80-120	7	20	J(M1)

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35521889

QC Batch: 599456
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET Solid
Associated Lab Samples: 35521889001

METHOD BLANK: 3258428
Matrix: Solid
Associated Lab Samples: 35521889001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.30 U	0.61	0.30	01/08/20 10:07	
Barium	mg/kg	0.30 U	0.61	0.30	01/08/20 10:07	
Boron	mg/kg	1.5 U	3.0	1.5	01/08/20 10:07	
Cadmium	mg/kg	0.030 U	0.061	0.030	01/08/20 10:07	
Chromium	mg/kg	0.15 U	0.30	0.15	01/08/20 10:07	
Lead	mg/kg	0.30 U	0.61	0.30	01/08/20 10:07	
Molybdenum	mg/kg	0.30 U	0.61	0.30	01/08/20 10:07	
Nickel	mg/kg	0.15 U	0.30	0.15	01/08/20 10:07	
Selenium	mg/kg	0.46 U	0.91	0.46	01/08/20 10:07	
Silver	mg/kg	0.15 U	0.30	0.15	01/08/20 10:07	
Vanadium	mg/kg	0.30 U	0.61	0.30	01/08/20 10:07	

LABORATORY CONTROL SAMPLE: 3258429

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	15.5	13.9	90	80-120	
Barium	mg/kg	15.5	15.2	98	80-120	
Boron	mg/kg	77.7	70.7	91	80-120	
Cadmium	mg/kg	1.6	1.5	94	80-120	
Chromium	mg/kg	15.5	15.5	100	80-120	
Lead	mg/kg	15.5	15.3	99	80-120	
Molybdenum	mg/kg	15.5	15.2	98	80-120	
Nickel	mg/kg	15.5	15.2	98	80-120	
Selenium	mg/kg	15.5	13.9	90	80-120	
Silver	mg/kg	1.6	1.5	94	80-120	
Vanadium	mg/kg	15.5	15.6	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3258430 3258431

Parameter	Units	35521772003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	0.61 I	15.6	16.1	15.2	16.4	93	98	75-125	7	20	
Barium	mg/kg	4.3	15.6	16.1	18.9	19.8	93	97	75-125	5	20	
Boron	mg/kg	1.8 I	78.5	80.5	73.2	77.7	91	94	75-125	6	20	
Cadmium	mg/kg	0.043 I	1.6	1.6	1.4	1.5	85	90	75-125	8	20	
Chromium	mg/kg	6.9	15.6	16.1	20.9	22.3	89	95	75-125	6	20	
Lead	mg/kg	1.4	15.6	16.1	14.6	15.5	84	88	75-125	6	20	
Molybdenum	mg/kg	0.31 U	15.6	16.1	14.1	15.2	89	94	75-125	8	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35521889

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3258430 3258431

Parameter	Units	35521772003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nickel	mg/kg	0.73	15.6	16.1	13.9	15.0	84	89	75-125	8	20	
Selenium	mg/kg	0.46 U	15.6	16.1	13.8	14.9	88	92	75-125	7	20	
Silver	mg/kg	0.15 U	1.6	1.6	1.5	1.6	97	100	75-125	6	20	
Vanadium	mg/kg	4.2	15.6	16.1	19.2	20.1	95	99	75-125	5	20	

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35521889

QC Batch: 599525
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 35521889001

SAMPLE DUPLICATE: 3258618

Parameter	Units	35519963002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.3	7.3	0	10	

SAMPLE DUPLICATE: 3258619

Parameter	Units	35521809003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.9	18.1	1	10	

SAMPLE DUPLICATE: 3258620

Parameter	Units	35521825009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.5	10.8	2	10	

SAMPLE DUPLICATE: 3258621

Parameter	Units	35521669005 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	12.4	10.3	18	10	J(D6)

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(386)672-5668

QUALIFIERS

Project: JEA SJRPP
Pace Project No.: 35521889

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP
Pace Project No.: 35521889

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35521889001	**CYPDSS4A**	EPA 3050	599456	EPA 6010	599473
35521889001	**CYPDSS4A**	EPA 7471	599540	EPA 7471	599663
35521889001	**CYPDSS4A**	ASTM D2974-87	599525		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

WO# : 35521889

35521889

Company: APTIM Environmental & Infrastructure, Inc.	Billing Information: P-Card
Address: 1228 Winter Garden Vineland Rd. Winter Garden, FL 34787	
Report To: Greg Dever	Email To: greg.dever@aptim.com
Copy To: shane Yenchi shane.yenchi@aptim.com	Site Collection Info/Address: Coal Yadr Ditch
Customer Project Name/Number: JEA SJRPP	State: FL / County/City: JAX / Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET
Phone: 407-466-6895 Email: greg.dever@aptim.com	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Roger Grenville	Purchase Order # : Quote #: / DW PWS ID #: DW Location Code:
Collected By (signature): Roger Grenville	Turnaround Date Required: / Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [X] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [X] No / Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	RCRA 8 Metals (6010 / 7471)	Boron (6010)	Molybdenum (6010)	Nickel (6010)	Vanadium (6010)
CYPDSS4A	SL	G	1/3/20	10:10				1	✓	✓	✓	✓	✓

Container Preservative Type **: U | U | U | U | U

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Lab Project Manager:

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: __oC
Cooler 1 Therm Corr. Factor: __oC
Cooler 1 Corrected Temp: _____oC
Comments:

Relinquished by/Company: (Signature)	Date/Time: 1-3-20 12:31	Received by/Company: (Signature) PACE	Date/Time: 1/3/20 1231
Relinquished by/Company: (Signature) Pace	Date/Time: 1/3/20 1700	Received by/Company: (Signature) FLX	Date/Time: 1/3/20 1700
Relinquished by/Company: (Signature) FLX	Date/Time:	Received by/Company: (Signature) Pace	Date/Time: 1/4/20 0030

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Page 13 of 14

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

(CUR)

WO# : 35521889
PM: TSR Due Date: 01/08/20
CLIENT: SHAJAX

Project #
Project Manager:
Client:

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

Thermometer Used: T337 Date: 1/4/20 Time: 0035 Initials: JMT

State of Origin: ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C 1.1	(Visual) 0	(Correction Factor) 1.1	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ 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 Dry 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	☑Yes ☐ No ☐N/A	
Chain of Custody Filled Out	☑Yes ☐ No ☐N/A	
Relinquished Signature & Sampler Name COC	☑Yes ☐ No ☐N/A	
Samples Arrived within Hold Time	☑Yes ☐ No ☐N/A	
Rush TAT requested on COC	☐Yes ☑ No ☐N/A	
Sufficient Volume	☑Yes ☐ No ☐N/A	
Correct Containers Used	☑Yes ☐ No ☐N/A	
Containers Intact	☑Yes ☐ No ☐N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑Yes ☐ No ☐N/A	
All containers needing acid/base preservation have been checked.	☐Yes ☐ No ☑N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐Yes ☐ No ☑N/A	Preservative: Lot #/Trace #: Date: Time: Initials:
Headspace in VOA Vials? (>6mm):	☐Yes ☐ No ☑N/A	
Trip Blank Present:	☐Yes ☐ No ☑N/A	

Client Notification/ Resolution:
Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

May 22, 2020

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP
Pace Project No.: 35551049

Dear Mr. Dever:

Enclosed are the analytical results for sample(s) received by the laboratory on May 19, 2020. 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 Analytical Services - Ormond Beach

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Ms. Maryann Hooper, APTIM-Environmental & Infrastructure, Inc.
Mr. William Mahler, APTIM-Environmental & Infrastructure, Inc.

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CERTIFICATIONS

Project: JEA SJRPP
Pace Project No.: 35551049

Pace Analytical Services Ormond Beach
8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Arizona Certification# AZ0819
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
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
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: JEA SJRPP
Pace Project No.: 35551049

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35551049001	**CY-SS-05A**	Solid	05/18/20 13:10	05/19/20 16:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP
Pace Project No.: 35551049

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35551049001	**CY-SS-05A**	EPA 6010	CS2	11	PASI-O
		EPA 7471	JNK	1	PASI-O
		ASTM D2974-87	JM2	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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SUMMARY OF DETECTION

Project: JEA SJRPP
Pace Project No.: 35551049

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35551049001	**CY-SS-05A**					
EPA 6010	Arsenic	0.29	mg/kg	0.57	05/21/20 22:20	I
EPA 6010	Barium	6.1	mg/kg	0.57	05/21/20 22:20	
EPA 6010	Chromium	1.6	mg/kg	0.28	05/21/20 22:20	
EPA 6010	Lead	3.5	mg/kg	0.57	05/21/20 22:20	
EPA 6010	Nickel	1.6	mg/kg	0.28	05/21/20 22:20	
EPA 6010	Vanadium	4.9	mg/kg	0.57	05/21/20 22:20	
EPA 7471	Mercury	0.013	mg/kg	0.012	05/21/20 08:01	
ASTM D2974-87	Percent Moisture	15.0	%	0.10	05/20/20 10:58	

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ANALYTICAL RESULTS

Project: JEA SJRPP
Pace Project No.: 35551049

Sample: CY-SS-05A **Lab ID: 35551049001** Collected: 05/18/20 13:10 Received: 05/19/20 16:40 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	**0.29 I**	mg/kg	0.57	0.28	1	05/20/20 17:19	05/21/20 22:20	7440-38-2	
Barium	**6.1**	mg/kg	0.57	0.28	1	05/20/20 17:19	05/21/20 22:20	7440-39-3	
Boron	**1.4 U**	mg/kg	2.8	1.4	1	05/20/20 17:19	05/21/20 22:20	7440-42-8	
Cadmium	**0.028 U**	mg/kg	0.057	0.028	1	05/20/20 17:19	05/21/20 22:20	7440-43-9	
Chromium	**1.6**	mg/kg	0.28	0.14	1	05/20/20 17:19	05/21/20 22:20	7440-47-3	
Lead	**3.5**	mg/kg	0.57	0.28	1	05/20/20 17:19	05/21/20 22:20	7439-92-1	
Molybdenum	**0.28 U**	mg/kg	0.57	0.28	1	05/20/20 17:19	05/21/20 22:20	7439-98-7	
Nickel	**1.6**	mg/kg	0.28	0.14	1	05/20/20 17:19	05/21/20 22:20	7440-02-0	
Selenium	**0.42 U**	mg/kg	0.85	0.42	1	05/20/20 17:19	05/21/20 22:20	7782-49-2	
Silver	**0.14 U**	mg/kg	0.28	0.14	1	05/20/20 17:19	05/21/20 22:20	7440-22-4	
Vanadium	**4.9**	mg/kg	0.57	0.28	1	05/20/20 17:19	05/21/20 22:20	7440-62-2	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - Ormond Beach								
Mercury	**0.013**	mg/kg	0.012	0.0058	1	05/20/20 08:06	05/21/20 08:01	7439-97-6	
Percent Moisture	Analytical Method: ASTM D2974-87 Pace Analytical Services - Ormond Beach								
Percent Moisture	**15.0**	%	0.10	0.10	1		05/20/20 10:58		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35551049

QC Batch: 634238
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - Ormond Beach
Associated Lab Samples: 35551049001

METHOD BLANK: 3449519 Matrix: Solid
Associated Lab Samples: 35551049001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0050 U	0.010	0.0050	05/21/20 07:33	

LABORATORY CONTROL SAMPLE: 3449520

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.099	0.098	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3449521 3449522

Parameter	Units	35550470001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.75	0.69	0.68	1.4	1.2	99	70	80-120	15	20	J(M1)

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35551049

QC Batch: 634485
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET Solid
Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35551049001

METHOD BLANK: 3450504 Matrix: Solid
Associated Lab Samples: 35551049001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.23 U	0.46	0.23	05/21/20 20:01	
Barium	mg/kg	0.23 U	0.46	0.23	05/21/20 20:01	
Boron	mg/kg	1.1 U	2.3	1.1	05/21/20 20:01	
Cadmium	mg/kg	0.023 U	0.046	0.023	05/21/20 20:01	
Chromium	mg/kg	0.11 U	0.23	0.11	05/21/20 20:01	
Lead	mg/kg	0.23 U	0.46	0.23	05/21/20 20:01	
Molybdenum	mg/kg	0.23 U	0.46	0.23	05/21/20 20:01	
Nickel	mg/kg	0.11 U	0.23	0.11	05/21/20 20:01	
Selenium	mg/kg	0.34 U	0.68	0.34	05/21/20 20:01	
Silver	mg/kg	0.11 U	0.23	0.11	05/21/20 20:01	
Vanadium	mg/kg	0.23 U	0.46	0.23	05/21/20 20:01	

LABORATORY CONTROL SAMPLE: 3450505

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	13.1	13.1	101	80-120	
Barium	mg/kg	13.1	14.0	107	80-120	
Boron	mg/kg	65.3	64.6	99	80-120	
Cadmium	mg/kg	1.3	1.4	109	80-120	
Chromium	mg/kg	13.1	14.5	111	80-120	
Lead	mg/kg	13.1	14.1	108	80-120	
Molybdenum	mg/kg	13.1	14.2	109	80-120	
Nickel	mg/kg	13.1	14.3	109	80-120	
Selenium	mg/kg	13.1	12.5	96	80-120	
Silver	mg/kg	1.3	1.2	95	80-120	
Vanadium	mg/kg	13.1	14.3	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3450506 3450507

Parameter	Units	35550516002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	0.50 I	13.7	17.2	12.2	15.7	85	88	75-125	25	20	J(R1)
Barium	mg/kg	15.1	13.7	17.2	27.8	31.6	92	96	75-125	13	20	
Boron	mg/kg	1.5 U	68.6	86.1	55.4	72.9	80	84	75-125	27	20	J(R1)
Cadmium	mg/kg	0.42	1.3	1.7	1.5	1.8	76	82	75-125	22	20	J(R1)
Chromium	mg/kg	13.3	13.7	17.2	26.3	30.3	95	99	75-125	14	20	
Lead	mg/kg	1.6	13.7	17.2	12.1	15.5	77	81	75-125	25	20	J(R1)

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(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35551049

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3450506 3450507

Parameter	Units	35550516002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Molybdenum	mg/kg	0.31 U	13.7	17.2	10.8	14.4	79	84	75-125	29	20	J(R1)
Nickel	mg/kg	1.5	13.7	17.2	12.1	15.5	77	82	75-125	25	20	J(R1)
Selenium	mg/kg	0.46 U	13.7	17.2	10.5	13.8	77	80	75-125	27	20	J(R1)
Silver	mg/kg	0.15 U	1.3	1.7	0.93	1.3	68	74	75-125	31	20	J(M1), J(R1)
Vanadium	mg/kg	7.5	13.7	17.2	20.6	24.0	95	96	75-125	16	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JEA SJRPP
Pace Project No.: 35551049

QC Batch: 634346
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35551049001

SAMPLE DUPLICATE: 3449846

Parameter	Units	35550952001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	0.89	0.93	4	10	

SAMPLE DUPLICATE: 3449847

Parameter	Units	35550958013 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.7	15.6	13	10	J(D6)

SAMPLE DUPLICATE: 3449848

Parameter	Units	35550810001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.9	6.2	5	10	

SAMPLE DUPLICATE: 3449849

Parameter	Units	35550991004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.6	23.0	2	10	

SAMPLE DUPLICATE: 3449850

Parameter	Units	35551050001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.8	16.4	2	10	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: JEA SJRPP
Pace Project No.: 35551049

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(R1)	Estimated Value. RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP
Pace Project No.: 35551049

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35551049001	**CY-SS-05A**	EPA 3050	634485	EPA 6010	634595
35551049001	**CY-SS-05A**	EPA 7471	634238	EPA 7471	634285
35551049001	**CY-SS-05A**	ASTM D2974-87	634346		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

WO# : 35551049

35551049

Company: APTIM Environmental & Infrastructure, Inc.	Billing Information: P-Card
Address: 1228 Winter Garden Vineland Rd. Winter Garden, FL 34787	
Report To: Greg Dever	Email To: greg.dever@aptim.com
Copy To: shane Yenchi shane.yenchi@aptim.com	Site Collection Info/Address: East EQ Basin
Customer Project Name/Number: JEA SJRPP	State: FL / County/City: JAX / Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET
Phone: 407-466-6895 Email: greg.dever@aptim.com	Site/Facility ID #: / Compliance Monitoring? [ ] Yes [X] No
Collected By (print): Roger Grenville	Purchase Order # : P-Card Quote #: / DW PWS ID #: / DW Location Code:
Collected By (signature):	Turnaround Date Required: RUSH / Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [X] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) / Field Filtered (if applicable): [ ] Yes [X] No / Analysis: _____

Container Preservative Type **: U | U | U | U | U

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	RCRA 8 Metals (6010 / 747		Boron (6010)		Molybdenum (6010)		Nickel (6010)		Vanadium (6010)	
CY-SS-05A	Soil	Grab	5/18/20	1310	N/A	N/A		1	x		x		x		x		x	

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips: _____	
Sample pH Acceptable	Y N NA
pH Strips: _____	
Sulfide Present	Y N NA
Lead Acetate Strips: _____	

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: _____
Cooler 1 Temp Upon Receipt: ___oC
Cooler 1 Therm Corr. Factor: ___oC
Cooler 1 Corrected Temp: ___oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
APTIm	5/19/20 1640	Pace	5/19/20 1640
Pace	5/19/20 1700	FLX	5/19/20 1700
FLX		JMT	5/19/200 2305

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Pace Analytical National Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

WO#: 35551049

PM: TSR **Due Date: 05/22/20**

CLIENT: SHAJAX

Proj

Project Mana

Cli

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

Thermometer Used: T-353 Date: 5-19-20 Time: 23 Initials: SMK

State of Origin: ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C 1.9	(Visual) 1.9	(Correction Factor) 1.9	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	(Visual)	(Correction Factor)	(Actual)	☐ 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 ☐ Dry ☐ 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	☑ Yes ☐ No ☐ N/A	
Chain of Custody Filled Out	☑ Yes ☐ No ☐ N/A	
Relinquished Signature & Sampler Name COC	☑ Yes ☐ No ☐ N/A	
Samples Arrived within Hold Time	☑ Yes ☐ No ☐ N/A	
Rush TAT requested on COC	☐ Yes ☑ No ☐ N/A	
Sufficient Volume	☑ Yes ☐ No ☐ N/A	
Correct Containers Used	☑ Yes ☐ No ☐ N/A	
Containers Intact	☑ Yes ☐ No ☐ N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑ Yes ☐ No ☐ N/A	
All containers needing acid/base preservation have been checked.	☐ Yes ☐ No ☑ N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐ Yes ☐ No ☑ N/A	Preservative: Lot #/Trace #: Date: Time: Initials:
Headspace in VOA Vials? (>6mm):	☐ Yes ☐ No ☑ N/A	
Trip Blank Present:	☐ Yes ☑ No ☐ N/A	

Client Notification/ Resolution:
Person Contacted: Date/Time:

Comments/ Resolution (use back for additional comments):

Project Manager Review: Date:

Appendix B
Off Site Borrow Pits Soil Samples Laboratory Analytical Reports and Chain-of-Custody Documentation

Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

September 12, 2018

Mr. Greg Dever
APTIM-Environmental & Infrastructure, Inc.
1228 Winter Garden Vineland Rd
Winter Garden, FL 34787

RE: Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

Dear Mr. Dever:
Enclosed are the analytical results for sample(s) received by the laboratory on September 04, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Final report issued 09/12/2018 supersedes all other versions. The report is being reissued to analyze arsenic at a lower dilution factor.

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

Sincerely,

Todd Rea
todd.rea@pacelabs.com
(904) 903-7948
Project Manager

Enclosures

cc: Thomas Rew, APTIM-Environmental & Infrastructure, Inc.

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CERTIFICATIONS

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

Ormond Beach Certification IDs

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

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SAMPLE SUMMARY

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35415134001	**SAWPIT DU-2 A**	Solid	09/04/18 11:05	09/04/18 12:50
35415134002	**SAWPIT DU-2 B**	Solid	09/04/18 11:35	09/04/18 12:50

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SAMPLE ANALYTE COUNT

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35415134001	**SAWPIT DU-2 A**	EPA 8082	SMB	9	PASI-O
		FL-PRO	BP2	3	PASI-O
		EPA 6010	JWP, LEC	8	PASI-O
		EPA 7471	AMS	1	PASI-O
		EPA 8270	TWB	74	PASI-O
		EPA 8260	QMC	55	PASI-O
		ASTM D2974-87	MLO	1	PASI-O
35415134002	**SAWPIT DU-2 B**	EPA 8082	SMB	9	PASI-O
		FL-PRO	BP2	3	PASI-O
		EPA 6010	JWP, LEC	8	PASI-O
		EPA 7471	AMS	1	PASI-O
		EPA 8270	TWB	74	PASI-O
		EPA 8260	QMC	55	PASI-O
		ASTM D2974-87	MLO	1	PASI-O

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SUMMARY OF DETECTION

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35415134001	**SAWPIT DU-2 A**					
FL-PRO	Petroleum Range Organics	5.9	mg/kg	4.4	09/06/18 03:04	
EPA 6010	Barium	3.5	mg/kg	2.9	09/10/18 11:53	
EPA 6010	Chromium	4.0	mg/kg	1.5	09/10/18 11:53	
EPA 6010	Lead	1.9 I	mg/kg	2.9	09/10/18 11:53	D3
EPA 8260	Acetone	0.019 I	mg/kg	0.025	09/05/18 20:21	
ASTM D2974-87	Percent Moisture	7.8	%	0.10	09/06/18 14:27	
35415134002	**SAWPIT DU-2 B**					
FL-PRO	Petroleum Range Organics	5.3	mg/kg	5.1	09/07/18 14:01	
EPA 6010	Arsenic	1.2	mg/kg	1.1	09/12/18 14:12	D3
EPA 6010	Barium	4.0	mg/kg	2.7	09/10/18 11:56	
EPA 6010	Chromium	5.6	mg/kg	1.4	09/10/18 11:56	
EPA 6010	Lead	2.3 I	mg/kg	2.7	09/10/18 11:56	D3
EPA 8270	3&4-Methylphenol(m&p Cresol)	0.010 I	mg/kg	0.22	09/06/18 14:11	
EPA 8270	Phenol	0.18 I	mg/kg	0.22	09/06/18 14:11	
ASTM D2974-87	Percent Moisture	21.0	%	0.10	09/06/18 14:27	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

Sample: SAWPIT DU-2 A **Lab ID: 35415134001** Collected: 09/04/18 11:05 Received: 09/04/18 12:50 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
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	**0.011 U**	mg/kg	0.018	0.011	1	09/06/18 08:24	09/06/18 18:28	12674-11-2	
PCB-1221 (Aroclor 1221)	**0.0087 U**	mg/kg	0.018	0.0087	1	09/06/18 08:24	09/06/18 18:28	11104-28-2	
PCB-1232 (Aroclor 1232)	**0.0092 U**	mg/kg	0.018	0.0092	1	09/06/18 08:24	09/06/18 18:28	11141-16-5	
PCB-1242 (Aroclor 1242)	**0.010 U**	mg/kg	0.018	0.010	1	09/06/18 08:24	09/06/18 18:28	53469-21-9	
PCB-1248 (Aroclor 1248)	**0.012 U**	mg/kg	0.018	0.012	1	09/06/18 08:24	09/06/18 18:28	12672-29-6	
PCB-1254 (Aroclor 1254)	**0.0074 U**	mg/kg	0.018	0.0074	1	09/06/18 08:24	09/06/18 18:28	11097-69-1	
PCB-1260 (Aroclor 1260)	**0.011 U**	mg/kg	0.018	0.011	1	09/06/18 08:24	09/06/18 18:28	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	82	%	59-129		1	09/06/18 08:24	09/06/18 18:28	877-09-8	
Decachlorobiphenyl (S)	57	%	26-172		1	09/06/18 08:24	09/06/18 18:28	2051-24-3	
FL-PRO Soil Microwave	Analytical Method: FL-PRO Preparation Method: EPA 3546								
Petroleum Range Organics	**5.9**	mg/kg	4.4	2.8	1	09/05/18 17:02	09/06/18 03:04		
Surrogates									
o-Terphenyl (S)	91	%	62-109		1	09/05/18 17:02	09/06/18 03:04	84-15-1	
N-Pentatriacontane (S)	93	%	42-159		1	09/05/18 17:02	09/06/18 03:04	630-07-09	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**0.58 U**	mg/kg	1.2	0.58	2	09/09/18 10:22	09/12/18 14:09	7440-38-2	D3
Barium	**3.5**	mg/kg	2.9	1.5	5	09/09/18 10:22	09/10/18 11:53	7440-39-3	
Boron	**7.3 U**	mg/kg	14.5	7.3	5	09/09/18 10:22	09/10/18 11:53	7440-42-8	D3
Cadmium	**0.15 U**	mg/kg	0.29	0.15	5	09/09/18 10:22	09/10/18 11:53	7440-43-9	D3
Chromium	**4.0**	mg/kg	1.5	0.73	5	09/09/18 10:22	09/10/18 11:53	7440-47-3	
Lead	**1.9 I**	mg/kg	2.9	1.5	5	09/09/18 10:22	09/10/18 11:53	7439-92-1	D3
Selenium	**2.2 U**	mg/kg	4.4	2.2	5	09/09/18 10:22	09/10/18 11:53	7782-49-2	D3
Silver	**0.73 U**	mg/kg	1.5	0.73	5	09/09/18 10:22	09/10/18 11:53	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0045 U**	mg/kg	0.0090	0.0045	1	09/07/18 15:20	09/07/18 19:01	7439-97-6	
8270 MSSV Full List Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**0.013 U**	mg/kg	0.039	0.013	1	09/05/18 23:15	09/06/18 13:45	83-32-9	
Acenaphthylene	**0.011 U**	mg/kg	0.037	0.011	1	09/05/18 23:15	09/06/18 13:45	208-96-8	
Aniline	**0.011 U**	mg/kg	0.18	0.011	1	09/05/18 23:15	09/06/18 13:45	62-53-3	
Anthracene	**0.013 U**	mg/kg	0.039	0.013	1	09/05/18 23:15	09/06/18 13:45	120-12-7	
Benzo(a)anthracene	**0.010 U**	mg/kg	0.037	0.010	1	09/05/18 23:15	09/06/18 13:45	56-55-3	
Benzo(a)pyrene	**0.0091 U**	mg/kg	0.037	0.0091	1	09/05/18 23:15	09/06/18 13:45	50-32-8	
Benzo(b)fluoranthene	**0.0098 U**	mg/kg	0.037	0.0098	1	09/05/18 23:15	09/06/18 13:45	205-99-2	
Benzo(g,h,i)perylene	**0.0092 U**	mg/kg	0.037	0.0092	1	09/05/18 23:15	09/06/18 13:45	191-24-2	
Benzo(k)fluoranthene	**0.0098 U**	mg/kg	0.037	0.0098	1	09/05/18 23:15	09/06/18 13:45	207-08-9	
Benzyl alcohol	**0.0090 U**	mg/kg	0.18	0.0090	1	09/05/18 23:15	09/06/18 13:45	100-51-6	
4-Bromophenylphenyl ether	**0.0074 U**	mg/kg	0.18	0.0074	1	09/05/18 23:15	09/06/18 13:45	101-55-3	
Butylbenzylphthalate	**0.0091 U**	mg/kg	0.18	0.0091	1	09/05/18 23:15	09/06/18 13:45	85-68-7	
4-Chloro-3-methylphenol	**0.0073 U**	mg/kg	0.73	0.0073	1	09/05/18 23:15	09/06/18 13:45	59-50-7	
4-Chloroaniline	**0.0088 U**	mg/kg	0.18	0.0088	1	09/05/18 23:15	09/06/18 13:45	106-47-8	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

Sample: SAWPIT DU-2 A **Lab ID: 35415134001** Collected: 09/04/18 11:05 Received: 09/04/18 12:50 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								
bis(2-Chloroethoxy)methane	**0.0089 U**	mg/kg	0.18	0.0089	1	09/05/18 23:15	09/06/18 13:45	111-91-1	
bis(2-Chloroethyl) ether	**0.012 U**	mg/kg	0.18	0.012	1	09/05/18 23:15	09/06/18 13:45	111-44-4	
bis(2-Chloroisopropyl) ether	**0.010 U**	mg/kg	0.18	0.010	1	09/05/18 23:15	09/06/18 13:45	108-60-1	1p,J(L2)
2-Chloronaphthalene	**0.0087 U**	mg/kg	0.18	0.0087	1	09/05/18 23:15	09/06/18 13:45	91-58-7	
2-Chlorophenol	**0.0079 U**	mg/kg	0.18	0.0079	1	09/05/18 23:15	09/06/18 13:45	95-57-8	
4-Chlorophenylphenyl ether	**0.0073 U**	mg/kg	0.18	0.0073	1	09/05/18 23:15	09/06/18 13:45	7005-72-3	
Chrysene	**0.012 U**	mg/kg	0.037	0.012	1	09/05/18 23:15	09/06/18 13:45	218-01-9	
Dibenz(a,h)anthracene	**0.0084 U**	mg/kg	0.037	0.0084	1	09/05/18 23:15	09/06/18 13:45	53-70-3	
Dibenzofuran	**0.0084 U**	mg/kg	0.18	0.0084	1	09/05/18 23:15	09/06/18 13:45	132-64-9	
1,2-Dichlorobenzene	**0.011 U**	mg/kg	0.18	0.011	1	09/05/18 23:15	09/06/18 13:45	95-50-1	
1,3-Dichlorobenzene	**0.013 U**	mg/kg	0.18	0.013	1	09/05/18 23:15	09/06/18 13:45	541-73-1	
1,4-Dichlorobenzene	**0.012 U**	mg/kg	0.18	0.012	1	09/05/18 23:15	09/06/18 13:45	106-46-7	
3,3'-Dichlorobenzidine	**0.0093 U**	mg/kg	0.73	0.0093	1	09/05/18 23:15	09/06/18 13:45	91-94-1	
2,4-Dichlorophenol	**0.0081 U**	mg/kg	0.18	0.0081	1	09/05/18 23:15	09/06/18 13:45	120-83-2	
Diethylphthalate	**0.0070 U**	mg/kg	0.18	0.0070	1	09/05/18 23:15	09/06/18 13:45	84-66-2	
2,4-Dimethylphenol	**0.0083 U**	mg/kg	0.18	0.0083	1	09/05/18 23:15	09/06/18 13:45	105-67-9	
Dimethylphthalate	**0.0078 U**	mg/kg	0.18	0.0078	1	09/05/18 23:15	09/06/18 13:45	131-11-3	
Di-n-butylphthalate	**0.028 U**	mg/kg	0.18	0.028	1	09/05/18 23:15	09/06/18 13:45	84-74-2	
4,6-Dinitro-2-methylphenol	**0.054 U**	mg/kg	0.73	0.054	1	09/05/18 23:15	09/06/18 13:45	534-52-1	
2,4-Dinitrophenol	**0.032 U**	mg/kg	0.73	0.032	1	09/05/18 23:15	09/06/18 13:45	51-28-5	
2,4-Dinitrotoluene	**0.049 U**	mg/kg	0.18	0.049	1	09/05/18 23:15	09/06/18 13:45	121-14-2	
2,6-Dinitrotoluene	**0.0089 U**	mg/kg	0.18	0.0089	1	09/05/18 23:15	09/06/18 13:45	606-20-2	
Di-n-octylphthalate	**0.045 U**	mg/kg	0.18	0.045	1	09/05/18 23:15	09/06/18 13:45	117-84-0	
1,2-Diphenylhydrazine	**0.0083 U**	mg/kg	0.18	0.0083	1	09/05/18 23:15	09/06/18 13:45	122-66-7	
bis(2-Ethylhexyl)phthalate	**0.0085 U**	mg/kg	0.18	0.0085	1	09/05/18 23:15	09/06/18 13:45	117-81-7	
Fluoranthene	**0.012 U**	mg/kg	0.037	0.012	1	09/05/18 23:15	09/06/18 13:45	206-44-0	
Fluorene	**0.013 U**	mg/kg	0.040	0.013	1	09/05/18 23:15	09/06/18 13:45	86-73-7	
Hexachloro-1,3-butadiene	**0.012 U**	mg/kg	0.18	0.012	1	09/05/18 23:15	09/06/18 13:45	87-68-3	
Hexachlorobenzene	**0.0072 U**	mg/kg	0.18	0.0072	1	09/05/18 23:15	09/06/18 13:45	118-74-1	
Hexachlorocyclopentadiene	**0.014 U**	mg/kg	0.73	0.014	1	09/05/18 23:15	09/06/18 13:45	77-47-4	
Hexachloroethane	**0.010 U**	mg/kg	0.18	0.010	1	09/05/18 23:15	09/06/18 13:45	67-72-1	
Indeno(1,2,3-cd)pyrene	**0.0084 U**	mg/kg	0.037	0.0084	1	09/05/18 23:15	09/06/18 13:45	193-39-5	
Isophorone	**0.0093 U**	mg/kg	0.18	0.0093	1	09/05/18 23:15	09/06/18 13:45	78-59-1	
1-Methylnaphthalene	**0.014 U**	mg/kg	0.043	0.014	1	09/05/18 23:15	09/06/18 13:45	90-12-0	
2-Methylnaphthalene	**0.014 U**	mg/kg	0.042	0.014	1	09/05/18 23:15	09/06/18 13:45	91-57-6	
2-Methylphenol(o-Cresol)	**0.0088 U**	mg/kg	0.18	0.0088	1	09/05/18 23:15	09/06/18 13:45	95-48-7	
3&4-Methylphenol(m&p Cresol)	**0.0083 U**	mg/kg	0.18	0.0083	1	09/05/18 23:15	09/06/18 13:45		
Naphthalene	**0.013 U**	mg/kg	0.038	0.013	1	09/05/18 23:15	09/06/18 13:45	91-20-3	
2-Nitroaniline	**0.045 U**	mg/kg	0.18	0.045	1	09/05/18 23:15	09/06/18 13:45	88-74-4	
3-Nitroaniline	**0.0082 U**	mg/kg	0.18	0.0082	1	09/05/18 23:15	09/06/18 13:45	99-09-2	
4-Nitroaniline	**0.042 U**	mg/kg	0.18	0.042	1	09/05/18 23:15	09/06/18 13:45	100-01-6	
Nitrobenzene	**0.012 U**	mg/kg	0.18	0.012	1	09/05/18 23:15	09/06/18 13:45	98-95-3	
2-Nitrophenol	**0.058 U**	mg/kg	0.18	0.058	1	09/05/18 23:15	09/06/18 13:45	88-75-5	
4-Nitrophenol	**0.079 U**	mg/kg	0.24	0.079	1	09/05/18 23:15	09/06/18 13:45	100-02-7	
N-Nitrosodimethylamine	**0.012 U**	mg/kg	0.18	0.012	1	09/05/18 23:15	09/06/18 13:45	62-75-9	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

Sample: SAWPIT DU-2 A **Lab ID: 35415134001** Collected: 09/04/18 11:05 Received: 09/04/18 12:50 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								
N-Nitroso-di-n-propylamine	**0.010 U**	mg/kg	0.18	0.010	1	09/05/18 23:15	09/06/18 13:45	621-64-7	
N-Nitrosodiphenylamine	**0.0084 U**	mg/kg	0.18	0.0084	1	09/05/18 23:15	09/06/18 13:45	86-30-6	
Pentachlorophenol	**0.094 U**	mg/kg	0.73	0.094	1	09/05/18 23:15	09/06/18 13:45	87-86-5	
Phenanthrene	**0.012 U**	mg/kg	0.037	0.012	1	09/05/18 23:15	09/06/18 13:45	85-01-8	
Phenol	**0.010 U**	mg/kg	0.18	0.010	1	09/05/18 23:15	09/06/18 13:45	108-95-2	
Pyrene	**0.012 U**	mg/kg	0.037	0.012	1	09/05/18 23:15	09/06/18 13:45	129-00-0	
1,2,4-Trichlorobenzene	**0.010 U**	mg/kg	0.18	0.010	1	09/05/18 23:15	09/06/18 13:45	120-82-1	
2,4,5-Trichlorophenol	**0.0072 U**	mg/kg	0.18	0.0072	1	09/05/18 23:15	09/06/18 13:45	95-95-4	
2,4,6-Trichlorophenol	**0.0099 U**	mg/kg	0.18	0.0099	1	09/05/18 23:15	09/06/18 13:45	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	61	%	16-123		1	09/05/18 23:15	09/06/18 13:45	4165-60-0	
2-Fluorobiphenyl (S)	62	%	32-129		1	09/05/18 23:15	09/06/18 13:45	321-60-8	
p-Terphenyl-d14 (S)	73	%	38-138		1	09/05/18 23:15	09/06/18 13:45	1718-51-0	
Phenol-d6 (S)	56	%	10-117		1	09/05/18 23:15	09/06/18 13:45	13127-88-3	
2-Fluorophenol (S)	53	%	10-113		1	09/05/18 23:15	09/06/18 13:45	367-12-4	
2,4,6-Tribromophenol (S)	63	%	10-175		1	09/05/18 23:15	09/06/18 13:45	118-79-6	
8260 MSV 5035	Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Acetone	**0.019 I**	mg/kg	0.025	0.012	1	09/05/18 11:00	09/05/18 20:21	67-64-1	
Acetonitrile	**0.031 U**	mg/kg	0.062	0.031	1	09/05/18 11:00	09/05/18 20:21	75-05-8	
Benzene	**0.0032 U**	mg/kg	0.0062	0.0032	1	09/05/18 11:00	09/05/18 20:21	71-43-2	
Bromochloromethane	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	74-97-5	
Bromodichloromethane	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	75-27-4	
Bromoform	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	75-25-2	
Bromomethane	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	74-83-9	
2-Butanone (MEK)	**0.0062 U**	mg/kg	0.012	0.0062	1	09/05/18 11:00	09/05/18 20:21	78-93-3	
Carbon disulfide	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	75-15-0	
Carbon tetrachloride	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	56-23-5	
Chlorobenzene	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	108-90-7	
Chloroethane	**0.0045 U**	mg/kg	0.0062	0.0045	1	09/05/18 11:00	09/05/18 20:21	75-00-3	
Chloroform	**0.0037 U**	mg/kg	0.0062	0.0037	1	09/05/18 11:00	09/05/18 20:21	67-66-3	
Chloromethane	**0.0035 U**	mg/kg	0.0062	0.0035	1	09/05/18 11:00	09/05/18 20:21	74-87-3	
1,2-Dibromo-3-chloropropane	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	96-12-8	
Dibromochloromethane	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	124-48-1	
1,2-Dibromoethane (EDB)	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	106-93-4	
Dibromomethane	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	74-95-3	
1,2-Dichlorobenzene	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	95-50-1	
1,4-Dichlorobenzene	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	106-46-7	
trans-1,4-Dichloro-2-butene	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	110-57-6	
1,1-Dichloroethane	**0.0034 U**	mg/kg	0.0062	0.0034	1	09/05/18 11:00	09/05/18 20:21	75-34-3	
1,2-Dichloroethane	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	107-06-2	
1,2-Dichloroethene (Total)	**0.0038 U**	mg/kg	0.0062	0.0038	1	09/05/18 11:00	09/05/18 20:21	540-59-0	
1,1-Dichloroethene	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	75-35-4	
cis-1,2-Dichloroethene	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	156-59-2	
trans-1,2-Dichloroethene	**0.0038 U**	mg/kg	0.0062	0.0038	1	09/05/18 11:00	09/05/18 20:21	156-60-5	

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Ormond Beach, FL 32174
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ANALYTICAL RESULTS

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

Sample: SAWPIT DU-2 A **Lab ID: 35415134001** Collected: 09/04/18 11:05 Received: 09/04/18 12:50 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								
1,2-Dichloropropane	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	78-87-5	
cis-1,3-Dichloropropene	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	10061-01-5	
trans-1,3-Dichloropropene	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	10061-02-6	
Ethylbenzene	**0.0035 U**	mg/kg	0.0062	0.0035	1	09/05/18 11:00	09/05/18 20:21	100-41-4	
2-Hexanone	**0.0062 U**	mg/kg	0.012	0.0062	1	09/05/18 11:00	09/05/18 20:21	591-78-6	
Iodomethane	**0.0062 U**	mg/kg	0.012	0.0062	1	09/05/18 11:00	09/05/18 20:21	74-88-4	
Isopropylbenzene (Cumene)	**0.0036 U**	mg/kg	0.0062	0.0036	1	09/05/18 11:00	09/05/18 20:21	98-82-8	
Methylene Chloride	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	**0.0062 U**	mg/kg	0.012	0.0062	1	09/05/18 11:00	09/05/18 20:21	108-10-1	
Methyl-tert-butyl ether	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	1634-04-4	
Styrene	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	100-42-5	
1,1,1,2-Tetrachloroethane	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	630-20-6	
1,1,2,2-Tetrachloroethane	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	79-34-5	
Tetrachloroethene	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	127-18-4	
Toluene	**0.0034 U**	mg/kg	0.0062	0.0034	1	09/05/18 11:00	09/05/18 20:21	108-88-3	
1,1,1-Trichloroethane	**0.0034 U**	mg/kg	0.0062	0.0034	1	09/05/18 11:00	09/05/18 20:21	71-55-6	
1,1,2-Trichloroethane	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	79-00-5	
Trichloroethene	**0.0035 U**	mg/kg	0.0062	0.0035	1	09/05/18 11:00	09/05/18 20:21	79-01-6	
Trichlorofluoromethane	**0.0034 U**	mg/kg	0.0062	0.0034	1	09/05/18 11:00	09/05/18 20:21	75-69-4	
1,2,3-Trichloropropane	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	96-18-4	
Vinyl acetate	**0.0031 U**	mg/kg	0.0062	0.0031	1	09/05/18 11:00	09/05/18 20:21	108-05-4	
Vinyl chloride	**0.0033 U**	mg/kg	0.0062	0.0033	1	09/05/18 11:00	09/05/18 20:21	75-01-4	
Xylene (Total)	**0.0064 U**	mg/kg	0.019	0.0064	1	09/05/18 11:00	09/05/18 20:21	1330-20-7	
m&p-Xylene	**0.0064 U**	mg/kg	0.012	0.0064	1	09/05/18 11:00	09/05/18 20:21	179601-23-1	
o-Xylene	**0.0032 U**	mg/kg	0.0062	0.0032	1	09/05/18 11:00	09/05/18 20:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	68-125		1	09/05/18 11:00	09/05/18 20:21	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	71-132		1	09/05/18 11:00	09/05/18 20:21	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1	09/05/18 11:00	09/05/18 20:21	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.8**	%	0.10	0.10	1		09/06/18 14:27		

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ANALYTICAL RESULTS

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

Sample: SAWPIT DU-2 B **Lab ID: 35415134002** Collected: 09/04/18 11:35 Received: 09/04/18 12:50 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
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546								
PCB-1016 (Aroclor 1016)	**0.013 U**	mg/kg	0.021	0.013	1	09/06/18 08:24	09/06/18 18:49	12674-11-2	
PCB-1221 (Aroclor 1221)	**0.010 U**	mg/kg	0.021	0.010	1	09/06/18 08:24	09/06/18 18:49	11104-28-2	
PCB-1232 (Aroclor 1232)	**0.011 U**	mg/kg	0.021	0.011	1	09/06/18 08:24	09/06/18 18:49	11141-16-5	
PCB-1242 (Aroclor 1242)	**0.012 U**	mg/kg	0.021	0.012	1	09/06/18 08:24	09/06/18 18:49	53469-21-9	
PCB-1248 (Aroclor 1248)	**0.014 U**	mg/kg	0.021	0.014	1	09/06/18 08:24	09/06/18 18:49	12672-29-6	
PCB-1254 (Aroclor 1254)	**0.0086 U**	mg/kg	0.021	0.0086	1	09/06/18 08:24	09/06/18 18:49	11097-69-1	
PCB-1260 (Aroclor 1260)	**0.013 U**	mg/kg	0.021	0.013	1	09/06/18 08:24	09/06/18 18:49	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	115	%	59-129		1	09/06/18 08:24	09/06/18 18:49	877-09-8	
Decachlorobiphenyl (S)	127	%	26-172		1	09/06/18 08:24	09/06/18 18:49	2051-24-3	
FL-PRO Soil Microwave	Analytical Method: FL-PRO Preparation Method: EPA 3546								
Petroleum Range Organics	**5.3**	mg/kg	5.1	3.2	1	09/06/18 23:01	09/07/18 14:01		
Surrogates									
o-Terphenyl (S)	51	%	62-109		1	09/06/18 23:01	09/07/18 14:01	84-15-1	C0, J(S1)
N-Pentatriacontane (S)	52	%	42-159		1	09/06/18 23:01	09/07/18 14:01	630-07-09	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	**1.2**	mg/kg	1.1	0.55	2	09/09/18 10:22	09/12/18 14:12	7440-38-2	D3
Barium	**4.0**	mg/kg	2.7	1.4	5	09/09/18 10:22	09/10/18 11:56	7440-39-3	
Boron	**6.8 U**	mg/kg	13.7	6.8	5	09/09/18 10:22	09/10/18 11:56	7440-42-8	D3
Cadmium	**0.14 U**	mg/kg	0.27	0.14	5	09/09/18 10:22	09/10/18 11:56	7440-43-9	D3
Chromium	**5.6**	mg/kg	1.4	0.68	5	09/09/18 10:22	09/10/18 11:56	7440-47-3	
Lead	**2.3 I**	mg/kg	2.7	1.4	5	09/09/18 10:22	09/10/18 11:56	7439-92-1	D3
Selenium	**2.1 U**	mg/kg	4.1	2.1	5	09/09/18 10:22	09/10/18 11:56	7782-49-2	D3
Silver	**0.68 U**	mg/kg	1.4	0.68	5	09/09/18 10:22	09/10/18 11:56	7440-22-4	D3
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	**0.0045 U**	mg/kg	0.0089	0.0045	1	09/07/18 15:20	09/07/18 19:03	7439-97-6	
8270 MSSV Full List Microwave	Analytical Method: EPA 8270 Preparation Method: EPA 3546								
Acenaphthene	**0.015 U**	mg/kg	0.046	0.015	1	09/05/18 23:15	09/06/18 14:11	83-32-9	
Acenaphthylene	**0.013 U**	mg/kg	0.043	0.013	1	09/05/18 23:15	09/06/18 14:11	208-96-8	
Aniline	**0.013 U**	mg/kg	0.22	0.013	1	09/05/18 23:15	09/06/18 14:11	62-53-3	
Anthracene	**0.015 U**	mg/kg	0.046	0.015	1	09/05/18 23:15	09/06/18 14:11	120-12-7	
Benzo(a)anthracene	**0.012 U**	mg/kg	0.043	0.012	1	09/05/18 23:15	09/06/18 14:11	56-55-3	
Benzo(a)pyrene	**0.011 U**	mg/kg	0.043	0.011	1	09/05/18 23:15	09/06/18 14:11	50-32-8	
Benzo(b)fluoranthene	**0.011 U**	mg/kg	0.043	0.011	1	09/05/18 23:15	09/06/18 14:11	205-99-2	
Benzo(g,h,i)perylene	**0.011 U**	mg/kg	0.043	0.011	1	09/05/18 23:15	09/06/18 14:11	191-24-2	
Benzo(k)fluoranthene	**0.011 U**	mg/kg	0.043	0.011	1	09/05/18 23:15	09/06/18 14:11	207-08-9	
Benzyl alcohol	**0.011 U**	mg/kg	0.22	0.011	1	09/05/18 23:15	09/06/18 14:11	100-51-6	
4-Bromophenylphenyl ether	**0.0087 U**	mg/kg	0.22	0.0087	1	09/05/18 23:15	09/06/18 14:11	101-55-3	
Butylbenzylphthalate	**0.011 U**	mg/kg	0.22	0.011	1	09/05/18 23:15	09/06/18 14:11	85-68-7	
4-Chloro-3-methylphenol	**0.0086 U**	mg/kg	0.85	0.0086	1	09/05/18 23:15	09/06/18 14:11	59-50-7	

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(386)672-5668

ANALYTICAL RESULTS

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

Sample: SAWPIT DU-2 B **Lab ID: 35415134002** Collected: 09/04/18 11:35 Received: 09/04/18 12:50 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								
4-Chloroaniline	**0.010 U**	mg/kg	0.22	0.010	1	09/05/18 23:15	09/06/18 14:11	106-47-8	
bis(2-Chloroethoxy)methane	**0.010 U**	mg/kg	0.22	0.010	1	09/05/18 23:15	09/06/18 14:11	111-91-1	
bis(2-Chloroethyl) ether	**0.014 U**	mg/kg	0.22	0.014	1	09/05/18 23:15	09/06/18 14:11	111-44-4	
bis(2-Chloroisopropyl) ether	**0.012 U**	mg/kg	0.22	0.012	1	09/05/18 23:15	09/06/18 14:11	108-60-1	1p,CL, J(L2)
2-Chloronaphthalene	**0.010 U**	mg/kg	0.22	0.010	1	09/05/18 23:15	09/06/18 14:11	91-58-7	
2-Chlorophenol	**0.0092 U**	mg/kg	0.22	0.0092	1	09/05/18 23:15	09/06/18 14:11	95-57-8	
4-Chlorophenylphenyl ether	**0.0086 U**	mg/kg	0.22	0.0086	1	09/05/18 23:15	09/06/18 14:11	7005-72-3	
Chrysene	**0.014 U**	mg/kg	0.043	0.014	1	09/05/18 23:15	09/06/18 14:11	218-01-9	
Dibenz(a,h)anthracene	**0.0099 U**	mg/kg	0.043	0.0099	1	09/05/18 23:15	09/06/18 14:11	53-70-3	
Dibenzofuran	**0.0098 U**	mg/kg	0.22	0.0098	1	09/05/18 23:15	09/06/18 14:11	132-64-9	
1,2-Dichlorobenzene	**0.013 U**	mg/kg	0.22	0.013	1	09/05/18 23:15	09/06/18 14:11	95-50-1	
1,3-Dichlorobenzene	**0.016 U**	mg/kg	0.22	0.016	1	09/05/18 23:15	09/06/18 14:11	541-73-1	
1,4-Dichlorobenzene	**0.014 U**	mg/kg	0.22	0.014	1	09/05/18 23:15	09/06/18 14:11	106-46-7	
3,3'-Dichlorobenzidine	**0.011 U**	mg/kg	0.85	0.011	1	09/05/18 23:15	09/06/18 14:11	91-94-1	
2,4-Dichlorophenol	**0.0095 U**	mg/kg	0.22	0.0095	1	09/05/18 23:15	09/06/18 14:11	120-83-2	
Diethylphthalate	**0.0081 U**	mg/kg	0.22	0.0081	1	09/05/18 23:15	09/06/18 14:11	84-66-2	
2,4-Dimethylphenol	**0.0097 U**	mg/kg	0.22	0.0097	1	09/05/18 23:15	09/06/18 14:11	105-67-9	
Dimethylphthalate	**0.0092 U**	mg/kg	0.22	0.0092	1	09/05/18 23:15	09/06/18 14:11	131-11-3	
Di-n-butylphthalate	**0.032 U**	mg/kg	0.22	0.032	1	09/05/18 23:15	09/06/18 14:11	84-74-2	
4,6-Dinitro-2-methylphenol	**0.063 U**	mg/kg	0.85	0.063	1	09/05/18 23:15	09/06/18 14:11	534-52-1	
2,4-Dinitrophenol	**0.037 U**	mg/kg	0.85	0.037	1	09/05/18 23:15	09/06/18 14:11	51-28-5	
2,4-Dinitrotoluene	**0.057 U**	mg/kg	0.22	0.057	1	09/05/18 23:15	09/06/18 14:11	121-14-2	
2,6-Dinitrotoluene	**0.010 U**	mg/kg	0.22	0.010	1	09/05/18 23:15	09/06/18 14:11	606-20-2	
Di-n-octylphthalate	**0.052 U**	mg/kg	0.22	0.052	1	09/05/18 23:15	09/06/18 14:11	117-84-0	
1,2-Diphenylhydrazine	**0.0097 U**	mg/kg	0.22	0.0097	1	09/05/18 23:15	09/06/18 14:11	122-66-7	
bis(2-Ethylhexyl)phthalate	**0.010 U**	mg/kg	0.22	0.010	1	09/05/18 23:15	09/06/18 14:11	117-81-7	
Fluoranthene	**0.014 U**	mg/kg	0.043	0.014	1	09/05/18 23:15	09/06/18 14:11	206-44-0	
Fluorene	**0.015 U**	mg/kg	0.047	0.015	1	09/05/18 23:15	09/06/18 14:11	86-73-7	
Hexachloro-1,3-butadiene	**0.015 U**	mg/kg	0.22	0.015	1	09/05/18 23:15	09/06/18 14:11	87-68-3	
Hexachlorobenzene	**0.0084 U**	mg/kg	0.22	0.0084	1	09/05/18 23:15	09/06/18 14:11	118-74-1	
Hexachlorocyclopentadiene	**0.016 U**	mg/kg	0.85	0.016	1	09/05/18 23:15	09/06/18 14:11	77-47-4	
Hexachloroethane	**0.012 U**	mg/kg	0.22	0.012	1	09/05/18 23:15	09/06/18 14:11	67-72-1	
Indeno(1,2,3-cd)pyrene	**0.0098 U**	mg/kg	0.043	0.0098	1	09/05/18 23:15	09/06/18 14:11	193-39-5	
Isophorone	**0.011 U**	mg/kg	0.22	0.011	1	09/05/18 23:15	09/06/18 14:11	78-59-1	
1-Methylnaphthalene	**0.017 U**	mg/kg	0.051	0.017	1	09/05/18 23:15	09/06/18 14:11	90-12-0	
2-Methylnaphthalene	**0.016 U**	mg/kg	0.049	0.016	1	09/05/18 23:15	09/06/18 14:11	91-57-6	
2-Methylphenol(o-Cresol)	**0.010 U**	mg/kg	0.22	0.010	1	09/05/18 23:15	09/06/18 14:11	95-48-7	
3&4-Methylphenol(m&p Cresol)	**0.010 I**	mg/kg	0.22	0.0098	1	09/05/18 23:15	09/06/18 14:11		
Naphthalene	**0.015 U**	mg/kg	0.044	0.015	1	09/05/18 23:15	09/06/18 14:11	91-20-3	
2-Nitroaniline	**0.053 U**	mg/kg	0.22	0.053	1	09/05/18 23:15	09/06/18 14:11	88-74-4	
3-Nitroaniline	**0.0096 U**	mg/kg	0.22	0.0096	1	09/05/18 23:15	09/06/18 14:11	99-09-2	
4-Nitroaniline	**0.049 U**	mg/kg	0.22	0.049	1	09/05/18 23:15	09/06/18 14:11	100-01-6	
Nitrobenzene	**0.014 U**	mg/kg	0.22	0.014	1	09/05/18 23:15	09/06/18 14:11	98-95-3	
2-Nitrophenol	**0.068 U**	mg/kg	0.22	0.068	1	09/05/18 23:15	09/06/18 14:11	88-75-5	

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(386)672-5668

ANALYTICAL RESULTS

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

Sample: SAWPIT DU-2 B **Lab ID: 35415134002** Collected: 09/04/18 11:35 Received: 09/04/18 12:50 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								
4-Nitrophenol	**0.092 U**	mg/kg	0.28	0.092	1	09/05/18 23:15	09/06/18 14:11	100-02-7	
N-Nitrosodimethylamine	**0.014 U**	mg/kg	0.22	0.014	1	09/05/18 23:15	09/06/18 14:11	62-75-9	
N-Nitroso-di-n-propylamine	**0.012 U**	mg/kg	0.22	0.012	1	09/05/18 23:15	09/06/18 14:11	621-64-7	
N-Nitrosodiphenylamine	**0.0098 U**	mg/kg	0.22	0.0098	1	09/05/18 23:15	09/06/18 14:11	86-30-6	
Pentachlorophenol	**0.11 U**	mg/kg	0.85	0.11	1	09/05/18 23:15	09/06/18 14:11	87-86-5	
Phenanthrene	**0.014 U**	mg/kg	0.043	0.014	1	09/05/18 23:15	09/06/18 14:11	85-01-8	
Phenol	**0.18 I**	mg/kg	0.22	0.012	1	09/05/18 23:15	09/06/18 14:11	108-95-2	
Pyrene	**0.014 U**	mg/kg	0.043	0.014	1	09/05/18 23:15	09/06/18 14:11	129-00-0	
1,2,4-Trichlorobenzene	**0.012 U**	mg/kg	0.22	0.012	1	09/05/18 23:15	09/06/18 14:11	120-82-1	
2,4,5-Trichlorophenol	**0.0085 U**	mg/kg	0.22	0.0085	1	09/05/18 23:15	09/06/18 14:11	95-95-4	
2,4,6-Trichlorophenol	**0.012 U**	mg/kg	0.22	0.012	1	09/05/18 23:15	09/06/18 14:11	88-06-2	
Surrogates									
Nitrobenzene-d5 (S)	46	%	16-123		1	09/05/18 23:15	09/06/18 14:11	4165-60-0	
2-Fluorobiphenyl (S)	49	%	32-129		1	09/05/18 23:15	09/06/18 14:11	321-60-8	
p-Terphenyl-d14 (S)	52	%	38-138		1	09/05/18 23:15	09/06/18 14:11	1718-51-0	
Phenol-d6 (S)	41	%	10-117		1	09/05/18 23:15	09/06/18 14:11	13127-88-3	
2-Fluorophenol (S)	39	%	10-113		1	09/05/18 23:15	09/06/18 14:11	367-12-4	
2,4,6-Tribromophenol (S)	48	%	10-175		1	09/05/18 23:15	09/06/18 14:11	118-79-6	
8260 MSV 5035	Analytical Method: EPA 8260 Preparation Method: EPA 5035								
Acetone	**0.012 U**	mg/kg	0.024	0.012	1	09/05/18 11:00	09/05/18 20:44	67-64-1	
Acetonitrile	**0.030 U**	mg/kg	0.059	0.030	1	09/05/18 11:00	09/05/18 20:44	75-05-8	
Benzene	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	71-43-2	
Bromochloromethane	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	74-97-5	
Bromodichloromethane	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	75-27-4	
Bromoform	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	75-25-2	
Bromomethane	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	74-83-9	
2-Butanone (MEK)	**0.0059 U**	mg/kg	0.012	0.0059	1	09/05/18 11:00	09/05/18 20:44	78-93-3	
Carbon disulfide	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	75-15-0	
Carbon tetrachloride	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	56-23-5	
Chlorobenzene	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	108-90-7	
Chloroethane	**0.0042 U**	mg/kg	0.0059	0.0042	1	09/05/18 11:00	09/05/18 20:44	75-00-3	
Chloroform	**0.0035 U**	mg/kg	0.0059	0.0035	1	09/05/18 11:00	09/05/18 20:44	67-66-3	
Chloromethane	**0.0033 U**	mg/kg	0.0059	0.0033	1	09/05/18 11:00	09/05/18 20:44	74-87-3	
1,2-Dibromo-3-chloropropane	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	96-12-8	
Dibromochloromethane	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	124-48-1	
1,2-Dibromoethane (EDB)	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	106-93-4	
Dibromomethane	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	74-95-3	
1,2-Dichlorobenzene	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	95-50-1	
1,4-Dichlorobenzene	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	106-46-7	
trans-1,4-Dichloro-2-butene	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	110-57-6	
1,1-Dichloroethane	**0.0032 U**	mg/kg	0.0059	0.0032	1	09/05/18 11:00	09/05/18 20:44	75-34-3	
1,2-Dichloroethane	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	107-06-2	
1,2-Dichloroethene (Total)	**0.0036 U**	mg/kg	0.0059	0.0036	1	09/05/18 11:00	09/05/18 20:44	540-59-0	
1,1-Dichloroethene	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	75-35-4	

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ANALYTICAL RESULTS

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

Sample: SAWPIT DU-2 B **Lab ID: 35415134002** Collected: 09/04/18 11:35 Received: 09/04/18 12:50 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								
cis-1,2-Dichloroethene	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	156-59-2	
trans-1,2-Dichloroethene	**0.0036 U**	mg/kg	0.0059	0.0036	1	09/05/18 11:00	09/05/18 20:44	156-60-5	
1,2-Dichloropropane	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	78-87-5	
cis-1,3-Dichloropropene	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	10061-01-5	
trans-1,3-Dichloropropene	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	10061-02-6	
Ethylbenzene	**0.0033 U**	mg/kg	0.0059	0.0033	1	09/05/18 11:00	09/05/18 20:44	100-41-4	
2-Hexanone	**0.0059 U**	mg/kg	0.012	0.0059	1	09/05/18 11:00	09/05/18 20:44	591-78-6	
Iodomethane	**0.0059 U**	mg/kg	0.012	0.0059	1	09/05/18 11:00	09/05/18 20:44	74-88-4	
Isopropylbenzene (Cumene)	**0.0034 U**	mg/kg	0.0059	0.0034	1	09/05/18 11:00	09/05/18 20:44	98-82-8	
Methylene Chloride	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	**0.0059 U**	mg/kg	0.012	0.0059	1	09/05/18 11:00	09/05/18 20:44	108-10-1	
Methyl-tert-butyl ether	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	1634-04-4	
Styrene	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	100-42-5	
1,1,1,2-Tetrachloroethane	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	630-20-6	
1,1,2,2-Tetrachloroethane	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	79-34-5	
Tetrachloroethene	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	127-18-4	
Toluene	**0.0032 U**	mg/kg	0.0059	0.0032	1	09/05/18 11:00	09/05/18 20:44	108-88-3	
1,1,1-Trichloroethane	**0.0032 U**	mg/kg	0.0059	0.0032	1	09/05/18 11:00	09/05/18 20:44	71-55-6	
1,1,2-Trichloroethane	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	79-00-5	
Trichloroethene	**0.0033 U**	mg/kg	0.0059	0.0033	1	09/05/18 11:00	09/05/18 20:44	79-01-6	
Trichlorofluoromethane	**0.0032 U**	mg/kg	0.0059	0.0032	1	09/05/18 11:00	09/05/18 20:44	75-69-4	
1,2,3-Trichloropropane	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	96-18-4	
Vinyl acetate	**0.0030 U**	mg/kg	0.0059	0.0030	1	09/05/18 11:00	09/05/18 20:44	108-05-4	
Vinyl chloride	**0.0032 U**	mg/kg	0.0059	0.0032	1	09/05/18 11:00	09/05/18 20:44	75-01-4	
Xylene (Total)	**0.0061 U**	mg/kg	0.018	0.0061	1	09/05/18 11:00	09/05/18 20:44	1330-20-7	
m&p-Xylene	**0.0061 U**	mg/kg	0.012	0.0061	1	09/05/18 11:00	09/05/18 20:44	179601-23-1	
o-Xylene	**0.0031 U**	mg/kg	0.0059	0.0031	1	09/05/18 11:00	09/05/18 20:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	68-125		1	09/05/18 11:00	09/05/18 20:44	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	71-132		1	09/05/18 11:00	09/05/18 20:44	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1	09/05/18 11:00	09/05/18 20:44	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**21.0**	%	0.10	0.10	1		09/06/18 14:27		

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QUALITY CONTROL DATA

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

QC Batch: 475093 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 35415134001, 35415134002

METHOD BLANK: 2571391 Matrix: Solid
Associated Lab Samples: 35415134001, 35415134002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	0.0044 U	0.0089	0.0044	09/07/18 18:31	

LABORATORY CONTROL SAMPLE: 2571392

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.081	0.091	112	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2571393 2571394

Parameter	Units	35414531001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.27	.85	.79	1.2	0.97	107	88	80-120	20	20	

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

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QUALITY CONTROL DATA

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

QC Batch: 475788 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET Solid
Associated Lab Samples: 35415134001, 35415134002

METHOD BLANK: 2576336 Matrix: Solid
Associated Lab Samples: 35415134001, 35415134002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/kg	0.29 U	0.58	0.29	09/10/18 11:12	
Barium	mg/kg	0.29 U	0.58	0.29	09/10/18 11:12	
Boron	mg/kg	1.4 U	2.9	1.4	09/10/18 11:12	
Cadmium	mg/kg	0.029 U	0.058	0.029	09/10/18 11:12	
Chromium	mg/kg	0.14 U	0.29	0.14	09/10/18 11:12	
Lead	mg/kg	0.29 U	0.58	0.29	09/10/18 11:12	
Selenium	mg/kg	0.43 U	0.87	0.43	09/10/18 11:12	
Silver	mg/kg	0.14 U	0.29	0.14	09/10/18 11:12	

LABORATORY CONTROL SAMPLE: 2576337

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	14.9	14.5	98	80-120	
Barium	mg/kg	14.9	15.4	104	80-120	
Boron	mg/kg	74.4	70.6	95	80-120	
Cadmium	mg/kg	1.5	1.5	101	80-120	
Chromium	mg/kg	14.9	15.9	107	80-120	
Lead	mg/kg	14.9	15.5	104	80-120	
Selenium	mg/kg	14.9	13.9	93	80-120	
Silver	mg/kg	1.5	1.4	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2576338 2576339

Parameter	Units	35414531001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	4.2	75.4	66.9	62.6	57.2	77	79	75-125	9	20	
Barium	mg/kg	104	75.4	66.9	153	151	65	71	75-125	1	20	J(M1)
Boron	mg/kg	76.3	378	335	374	345	79	80	75-125	8	20	
Cadmium	mg/kg	0.54	7.4	6.8	7.0	6.9	85	94	75-125	2	20	
Chromium	mg/kg	10.9	75.4	66.9	77.9	71.9	89	91	75-125	8	20	
Lead	mg/kg	8.8	75.4	66.9	72.6	67.3	85	87	75-125	8	20	
Selenium	mg/kg	6.3	75.4	66.9	61.0	55.6	72	74	75-125	9	20	J(M1)
Silver	mg/kg	2.4	7.4	6.8	8.6	8.1	82	84	75-125	6	20	

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

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QUALITY CONTROL DATA

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

QC Batch: 474771 Analysis Method: EPA 8260
QC Batch Method: EPA 5035 Analysis Description: 8260 MSV 5035
Associated Lab Samples: 35415134001, 35415134002

METHOD BLANK: 2569261 Matrix: Solid
Associated Lab Samples: 35415134001, 35415134002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
1,1,1-Trichloroethane	mg/kg	0.0027 U	0.0050	0.0027	09/05/18 13:02	
1,1,2,2-Tetrachloroethane	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
1,1,2-Trichloroethane	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
1,1-Dichloroethane	mg/kg	0.0027 U	0.0050	0.0027	09/05/18 13:02	
1,1-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
1,2,3-Trichloropropane	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
1,2-Dibromo-3-chloropropane	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
1,2-Dibromoethane (EDB)	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
1,2-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
1,2-Dichloroethane	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
1,2-Dichloroethene (Total)	mg/kg	0.0030 U	0.0050	0.0030	09/05/18 13:02	
1,2-Dichloropropane	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
1,4-Dichlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
2-Butanone (MEK)	mg/kg	0.0050 U	0.010	0.0050	09/05/18 13:02	
2-Hexanone	mg/kg	0.0050 U	0.010	0.0050	09/05/18 13:02	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.0050 U	0.010	0.0050	09/05/18 13:02	
Acetone	mg/kg	0.010 U	0.020	0.010	09/05/18 13:02	
Acetonitrile	mg/kg	0.025 U	0.050	0.025	09/05/18 13:02	
Benzene	mg/kg	0.0026 U	0.0050	0.0026	09/05/18 13:02	
Bromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
Bromodichloromethane	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
Bromoform	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
Bromomethane	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
Carbon disulfide	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
Carbon tetrachloride	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
Chlorobenzene	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
Chloroethane	mg/kg	0.0036 U	0.0050	0.0036	09/05/18 13:02	
Chloroform	mg/kg	0.0030 U	0.0050	0.0030	09/05/18 13:02	
Chloromethane	mg/kg	0.0028 U	0.0050	0.0028	09/05/18 13:02	
cis-1,2-Dichloroethene	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
cis-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
Dibromochloromethane	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
Dibromomethane	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
Ethylbenzene	mg/kg	0.0028 U	0.0050	0.0028	09/05/18 13:02	
Iodomethane	mg/kg	0.0050 U	0.010	0.0050	09/05/18 13:02	
Isopropylbenzene (Cumene)	mg/kg	0.0029 U	0.0050	0.0029	09/05/18 13:02	
m&p-Xylene	mg/kg	0.0051 U	0.010	0.0051	09/05/18 13:02	
Methyl-tert-butyl ether	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
Methylene Chloride	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
o-Xylene	mg/kg	0.0026 U	0.0050	0.0026	09/05/18 13:02	

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QUALITY CONTROL DATA

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

METHOD BLANK: 2569261 Matrix: Solid
Associated Lab Samples: 35415134001, 35415134002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Styrene	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
Tetrachloroethene	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
Toluene	mg/kg	0.0027 U	0.0050	0.0027	09/05/18 13:02	
trans-1,2-Dichloroethene	mg/kg	0.0030 U	0.0050	0.0030	09/05/18 13:02	
trans-1,3-Dichloropropene	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
trans-1,4-Dichloro-2-butene	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
Trichloroethene	mg/kg	0.0028 U	0.0050	0.0028	09/05/18 13:02	
Trichlorofluoromethane	mg/kg	0.0027 U	0.0050	0.0027	09/05/18 13:02	
Vinyl acetate	mg/kg	0.0025 U	0.0050	0.0025	09/05/18 13:02	
Vinyl chloride	mg/kg	0.0027 U	0.0050	0.0027	09/05/18 13:02	
Xylene (Total)	mg/kg	0.0051 U	0.015	0.0051	09/05/18 13:02	
1,2-Dichloroethane-d4 (S)	%	94	71-132		09/05/18 13:02	
4-Bromofluorobenzene (S)	%	102	68-125		09/05/18 13:02	
Toluene-d8 (S)	%	97	70-130		09/05/18 13:02	

LABORATORY CONTROL SAMPLE: 2569262

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.02	0.021	106	70-130	
1,1,1-Trichloroethane	mg/kg	.02	0.019	94	70-130	
1,1,2,2-Tetrachloroethane	mg/kg	.02	0.019	98	70-130	
1,1,2-Trichloroethane	mg/kg	.02	0.021	105	70-130	
1,1-Dichloroethane	mg/kg	.02	0.018	92	70-130	
1,1-Dichloroethene	mg/kg	.02	0.019	96	62-131	
1,2,3-Trichloropropane	mg/kg	.02	0.019	97	72-137	
1,2-Dibromo-3-chloropropane	mg/kg	.02	0.020	99	65-132	
1,2-Dibromoethane (EDB)	mg/kg	.02	0.020	101	70-130	
1,2-Dichlorobenzene	mg/kg	.02	0.020	99	70-130	
1,2-Dichloroethane	mg/kg	.02	0.017	87	70-130	
1,2-Dichloroethene (Total)	mg/kg	.04	0.037	94	70-130	
1,2-Dichloropropane	mg/kg	.02	0.019	94	70-130	
1,4-Dichlorobenzene	mg/kg	.02	0.020	100	70-130	
2-Butanone (MEK)	mg/kg	.04	0.032	80	64-121	
2-Hexanone	mg/kg	.04	0.035	89	59-137	
4-Methyl-2-pentanone (MIBK)	mg/kg	.04	0.035	87	70-130	
Acetone	mg/kg	.04	0.031	78	68-146	
Acetonitrile	mg/kg	.2	0.18	89	68-131	
Benzene	mg/kg	.02	0.019	98	70-130	
Bromochloromethane	mg/kg	.02	0.020	103	70-130	
Bromodichloromethane	mg/kg	.02	0.019	97	70-130	
Bromoform	mg/kg	.02	0.020	101	54-129	
Bromomethane	mg/kg	.02	0.021	108	58-144	
Carbon disulfide	mg/kg	.02	0.017	88	57-133	
Carbon tetrachloride	mg/kg	.02	0.020	101	63-137	

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(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

LABORATORY CONTROL SAMPLE: 2569262

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	mg/kg	.02	0.020	102	70-130	
Chloroethane	mg/kg	.02	0.017	88	40-165	
Chloroform	mg/kg	.02	0.019	94	70-130	
Chloromethane	mg/kg	.02	0.019	97	64-127	
cis-1,2-Dichloroethene	mg/kg	.02	0.018	92	70-130	
cis-1,3-Dichloropropene	mg/kg	.02	0.019	94	70-130	
Dibromochloromethane	mg/kg	.02	0.022	112	70-130	
Dibromomethane	mg/kg	.02	0.021	105	70-130	
Ethylbenzene	mg/kg	.02	0.020	101	70-130	
Iodomethane	mg/kg	.04	0.040	100	58-137	
Isopropylbenzene (Cumene)	mg/kg	.02	0.020	99	70-130	
m&p-Xylene	mg/kg	.04	0.040	101	70-130	
Methyl-tert-butyl ether	mg/kg	.02	0.016	82	65-124	
Methylene Chloride	mg/kg	.02	0.018	91	51-142	
o-Xylene	mg/kg	.02	0.019	95	70-130	
Styrene	mg/kg	.02	0.020	99	70-130	
Tetrachloroethene	mg/kg	.02	0.019	98	70-130	
Toluene	mg/kg	.02	0.020	103	70-130	
trans-1,2-Dichloroethene	mg/kg	.02	0.019	95	70-130	
trans-1,3-Dichloropropene	mg/kg	.02	0.020	102	70-130	
trans-1,4-Dichloro-2-butene	mg/kg	.02	0.018	89	65-142	
Trichloroethene	mg/kg	.02	0.019	97	70-130	
Trichlorofluoromethane	mg/kg	.02	0.022	111	60-148	
Vinyl acetate	mg/kg	.02	0.017	87	70-130	
Vinyl chloride	mg/kg	.02	0.018	90	69-124	
Xylene (Total)	mg/kg	.059	0.059	99	70-130	
1,2-Dichloroethane-d4 (S)	%			89	71-132	
4-Bromofluorobenzene (S)	%			105	68-125	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2569263 2569264

Parameter	Units	35414971001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	mg/kg	3.3 U ug/kg	.025	.023	0.033	0.031	131	137	70-130	7	40	J(M1)
1,1,1-Trichloroethane	mg/kg	3.6 U ug/kg	.025	.023	0.031	0.029	123	128	70-130	6	40	
1,1,2,2-Tetrachloroethane	mg/kg	3.3 U ug/kg	.025	.023	0.033	0.032	131	142	70-130	3	40	J(M1)
1,1,2-Trichloroethane	mg/kg	3.3 U ug/kg	.025	.023	0.034	0.033	134	146	70-130	2	40	J(M1)
1,1-Dichloroethane	mg/kg	3.6 U ug/kg	.025	.023	0.031	0.029	122	129	70-130	5	40	
1,1-Dichloroethene	mg/kg	3.3 U ug/kg	.025	.023	0.031	0.030	124	133	62-131	3	40	J(M1)

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QUALITY CONTROL DATA

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2569263 2569264

Parameter	Units	35414971001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,3-Trichloropropane	mg/kg	3.3 U ug/kg	.025	.023	0.031	0.031	124	139	72-137	1	40	J(M1)
1,2-Dibromo-3-chloropropane	mg/kg	3.3 U ug/kg	.025	.023	0.032	0.032	125	139	65-132	0	40	J(M1)
1,2-Dibromoethane (EDB)	mg/kg	3.3 U ug/kg	.025	.023	0.033	0.032	130	139	70-130	4	40	J(M1)
1,2-Dichlorobenzene	mg/kg	3.3 U ug/kg	.025	.023	0.028	0.025	110	110	70-130	10	40	
1,2-Dichloroethane	mg/kg	3.3 U ug/kg	.025	.023	0.029	0.028	116	122	70-130	6	40	
1,2-Dichloroethene (Total)	mg/kg	4.0 U ug/kg	.05	.046	0.061	0.059	122	130	70-130	4	40	
1,2-Dichloropropane	mg/kg	3.3 U ug/kg	.025	.023	0.031	0.029	121	129	70-130	4	40	
1,4-Dichlorobenzene	mg/kg	3.3 U ug/kg	.025	.023	0.027	0.024	108	106	70-130	12	40	
2-Butanone (MEK)	mg/kg	6.6 U ug/kg	.05	.046	0.055	0.055	110	122	64-121	0	40	J(M1)
2-Hexanone	mg/kg	6.6 U ug/kg	.05	.046	0.063	0.065	124	144	59-137	4	40	J(M1)
4-Methyl-2-pentanone (MIBK)	mg/kg	6.6 U ug/kg	.05	.046	0.061	0.061	120	135	70-130	1	40	J(M1)
Acetone	mg/kg	13.2 U ug/kg	.05	.046	0.077	0.098	135	196	68-146	24	40	J(M1)
Acetonitrile	mg/kg	32.9 U ug/kg	.25	.23	0.33	0.33	130	145	68-131	0	40	J(M1)
Benzene	mg/kg	3.4 U ug/kg	.025	.023	0.032	0.030	128	134	70-130	6	40	J(M1)
Bromochloromethane	mg/kg	3.3 U ug/kg	.025	.023	0.035	0.033	139	144	70-130	7	40	J(M1)
Bromodichloromethane	mg/kg	3.3 U ug/kg	.025	.023	0.032	0.030	125	132	70-130	6	40	J(M1)
Bromoform	mg/kg	3.3 U ug/kg	.025	.023	0.031	0.030	123	131	54-129	4	40	J(M1)
Bromomethane	mg/kg	3.3 U ug/kg	.025	.023	0.038	0.030	150	132	58-144	23	40	J(M1)
Carbon disulfide	mg/kg	3.3 U ug/kg	.025	.023	0.028	0.027	111	119	57-133	4	40	
Carbon tetrachloride	mg/kg	3.3 U ug/kg	.025	.023	0.033	0.032	131	140	63-137	5	40	J(M1)
Chlorobenzene	mg/kg	3.3 U ug/kg	.025	.023	0.030	0.028	121	122	70-130	10	40	
Chloroethane	mg/kg	4.7 U ug/kg	.025	.023	0.028	0.024	110	104	40-165	16	40	
Chloroform	mg/kg	3.9 U ug/kg	.025	.023	0.032	0.030	128	132	70-130	8	40	J(M1)
Chloromethane	mg/kg	3.7 U ug/kg	.025	.023	0.034	0.028	137	124	64-127	20	40	J(M1)
cis-1,2-Dichloroethene	mg/kg	3.3 U ug/kg	.025	.023	0.030	0.029	119	127	70-130	4	40	
cis-1,3-Dichloropropene	mg/kg	3.3 U ug/kg	.025	.023	0.030	0.029	118	128	70-130	2	40	
Dibromochloromethane	mg/kg	3.3 U ug/kg	.025	.023	0.035	0.034	141	149	70-130	5	40	J(M1)

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QUALITY CONTROL DATA

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2569263 2569264

Parameter	Units	35414971001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dibromomethane	mg/kg	3.3 U ug/kg	.025	.023	0.035	0.033	138	145	70-130	6	40	J(M1)
Ethylbenzene	mg/kg	3.7 U ug/kg	.025	.023	0.030	0.027	120	119	70-130	11	40	
Iodomethane	mg/kg	6.6 U ug/kg	.05	.046	0.063	0.061	125	134	58-137	4	40	
Isopropylbenzene (Cumene)	mg/kg	3.8 U ug/kg	.025	.023	0.028	0.025	113	111	70-130	12	40	
m&p-Xylene	mg/kg	6.8 U ug/kg	.05	.046	0.059	0.053	118	117	70-130	11	40	
Methyl-tert-butyl ether	mg/kg	3.3 U ug/kg	.025	.023	0.027	0.026	107	117	65-124	2	40	
Methylene Chloride	mg/kg	4.9 I ug/kg	.025	.023	0.031	0.030	105	112	51-142	4	40	
o-Xylene	mg/kg	3.4 U ug/kg	.025	.023	0.028	0.025	109	113	70-130	8	40	
Styrene	mg/kg	3.3 U ug/kg	.025	.023	0.028	0.026	112	115	70-130	8	40	
Tetrachloroethene	mg/kg	3.3 U ug/kg	.025	.023	0.030	0.028	118	121	70-130	8	40	
Toluene	mg/kg	3.6 U ug/kg	.025	.023	0.032	0.030	128	131	70-130	8	40	J(M1)
trans-1,2-Dichloroethene	mg/kg	4.0 U ug/kg	.025	.023	0.031	0.030	124	133	70-130	4	40	J(M1)
trans-1,3-Dichloropropene	mg/kg	3.3 U ug/kg	.025	.023	0.032	0.031	129	136	70-130	5	40	J(M1)
trans-1,4-Dichloro-2-butene	mg/kg	3.3 U ug/kg	.025	.023	0.028	0.029	112	127	65-142	2	40	
Trichloroethene	mg/kg	3.7 U ug/kg	.025	.023	0.031	0.029	125	130	70-130	7	40	
Trichlorofluoromethane	mg/kg	3.6 U ug/kg	.025	.023	0.038	0.031	150	138	60-148	19	40	J(M1)
Vinyl acetate	mg/kg	3.3 U ug/kg	.025	.023	0.025	0.022	99	98	70-130	11	40	
Vinyl chloride	mg/kg	3.5 U ug/kg	.025	.023	0.030	0.026	120	113	69-124	17	40	
Xylene (Total)	mg/kg	6.8 U ug/kg	.076	.068	0.087	0.079	115	116	70-130	10	40	
1,2-Dichloroethane-d4 (S)	%						88	90	71-132		40	
4-Bromofluorobenzene (S)	%						104	104	68-125		40	
Toluene-d8 (S)	%						98	98	70-130		40	

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QUALITY CONTROL DATA

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

QC Batch: 474819 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 PCB Solid MW
Associated Lab Samples: 35415134001, 35415134002

METHOD BLANK: 2569517 Matrix: Solid
Associated Lab Samples: 35415134001, 35415134002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	0.010 U	0.017	0.010	09/06/18 16:47	
PCB-1221 (Aroclor 1221)	mg/kg	0.0080 U	0.017	0.0080	09/06/18 16:47	
PCB-1232 (Aroclor 1232)	mg/kg	0.0084 U	0.017	0.0084	09/06/18 16:47	
PCB-1242 (Aroclor 1242)	mg/kg	0.0092 U	0.017	0.0092	09/06/18 16:47	
PCB-1248 (Aroclor 1248)	mg/kg	0.011 U	0.017	0.011	09/06/18 16:47	
PCB-1254 (Aroclor 1254)	mg/kg	0.0068 U	0.017	0.0068	09/06/18 16:47	
PCB-1260 (Aroclor 1260)	mg/kg	0.010 U	0.017	0.010	09/06/18 16:47	
Decachlorobiphenyl (S)	%	108	26-172		09/06/18 16:47	
Tetrachloro-m-xylene (S)	%	102	59-129		09/06/18 16:47	

LABORATORY CONTROL SAMPLE: 2569518

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	.083	0.11	136	50-141	
PCB-1260 (Aroclor 1260)	mg/kg	.083	0.11	128	54-145	
Decachlorobiphenyl (S)	%			147	26-172	
Tetrachloro-m-xylene (S)	%			125	59-129	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2571034 2571035

Parameter	Units	35414474001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	mg/kg	0.011 U	.085	.085	0.12	0.12	138	139	50-141	1	40	
PCB-1260 (Aroclor 1260)	mg/kg	0.011 U	.085	.085	0.10	0.10	117	117	54-145	0	40	
Decachlorobiphenyl (S)	%						133	120	26-172			
Tetrachloro-m-xylene (S)	%						122	120	59-129			

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QUALITY CONTROL DATA

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

QC Batch: 474583 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid Full List MSSV Microwave
Associated Lab Samples: 35415134001, 35415134002

METHOD BLANK: 2568217 Matrix: Solid
Associated Lab Samples: 35415134001, 35415134002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	0.0096 U	0.17	0.0096	09/05/18 16:25	
1,2-Dichlorobenzene	mg/kg	0.011 U	0.17	0.011	09/05/18 16:25	
1,2-Diphenylhydrazine	mg/kg	0.0077 U	0.17	0.0077	09/05/18 16:25	
1,3-Dichlorobenzene	mg/kg	0.012 U	0.17	0.012	09/05/18 16:25	
1,4-Dichlorobenzene	mg/kg	0.011 U	0.17	0.011	09/05/18 16:25	
1-Methylnaphthalene	mg/kg	0.013 U	0.040	0.013	09/05/18 16:25	
2,4,5-Trichlorophenol	mg/kg	0.0067 U	0.17	0.0067	09/05/18 16:25	
2,4,6-Trichlorophenol	mg/kg	0.0092 U	0.17	0.0092	09/05/18 16:25	
2,4-Dichlorophenol	mg/kg	0.0075 U	0.17	0.0075	09/05/18 16:25	
2,4-Dimethylphenol	mg/kg	0.0077 U	0.17	0.0077	09/05/18 16:25	
2,4-Dinitrophenol	mg/kg	0.029 U	0.67	0.029	09/05/18 16:25	
2,4-Dinitrotoluene	mg/kg	0.045 U	0.17	0.045	09/05/18 16:25	
2,6-Dinitrotoluene	mg/kg	0.0082 U	0.17	0.0082	09/05/18 16:25	
2-Chloronaphthalene	mg/kg	0.0080 U	0.17	0.0080	09/05/18 16:25	
2-Chlorophenol	mg/kg	0.0073 U	0.17	0.0073	09/05/18 16:25	
2-Methylnaphthalene	mg/kg	0.013 U	0.039	0.013	09/05/18 16:25	
2-Methylphenol(o-Cresol)	mg/kg	0.0081 U	0.17	0.0081	09/05/18 16:25	
2-Nitroaniline	mg/kg	0.042 U	0.17	0.042	09/05/18 16:25	
2-Nitrophenol	mg/kg	0.054 U	0.17	0.054	09/05/18 16:25	
3&4-Methylphenol(m&p Cresol)	mg/kg	0.0077 U	0.17	0.0077	09/05/18 16:25	
3,3'-Dichlorobenzidine	mg/kg	0.0086 U	0.67	0.0086	09/05/18 16:25	
3-Nitroaniline	mg/kg	0.0075 U	0.17	0.0075	09/05/18 16:25	
4,6-Dinitro-2-methylphenol	mg/kg	0.050 U	0.67	0.050	09/05/18 16:25	
4-Bromophenylphenyl ether	mg/kg	0.0068 U	0.17	0.0068	09/05/18 16:25	
4-Chloro-3-methylphenol	mg/kg	0.0068 U	0.67	0.0068	09/05/18 16:25	
4-Chloroaniline	mg/kg	0.0081 U	0.17	0.0081	09/05/18 16:25	
4-Chlorophenylphenyl ether	mg/kg	0.0068 U	0.17	0.0068	09/05/18 16:25	
4-Nitroaniline	mg/kg	0.038 U	0.17	0.038	09/05/18 16:25	
4-Nitrophenol	mg/kg	0.072 U	0.22	0.072	09/05/18 16:25	
Acenaphthene	mg/kg	0.012 U	0.036	0.012	09/05/18 16:25	
Acenaphthylene	mg/kg	0.011 U	0.034	0.011	09/05/18 16:25	
Aniline	mg/kg	0.0099 U	0.17	0.0099	09/05/18 16:25	
Anthracene	mg/kg	0.012 U	0.036	0.012	09/05/18 16:25	
Benzo(a)anthracene	mg/kg	0.0097 U	0.034	0.0097	09/05/18 16:25	
Benzo(a)pyrene	mg/kg	0.0084 U	0.034	0.0084	09/05/18 16:25	
Benzo(b)fluoranthene	mg/kg	0.0090 U	0.034	0.0090	09/05/18 16:25	
Benzo(g,h,i)perylene	mg/kg	0.0085 U	0.034	0.0085	09/05/18 16:25	
Benzo(k)fluoranthene	mg/kg	0.0090 U	0.034	0.0090	09/05/18 16:25	
Benzyl alcohol	mg/kg	0.0083 U	0.17	0.0083	09/05/18 16:25	
bis(2-Chloroethoxy)methane	mg/kg	0.0082 U	0.17	0.0082	09/05/18 16:25	
bis(2-Chloroethyl) ether	mg/kg	0.011 U	0.17	0.011	09/05/18 16:25	

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REPORT OF LABORATORY ANALYSIS

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

METHOD BLANK: 2568217 Matrix: Solid
Associated Lab Samples: 35415134001, 35415134002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
bis(2-Chloroisopropyl) ether	mg/kg	0.0095 U	0.17	0.0095	09/05/18 16:25	
bis(2-Ethylhexyl)phthalate	mg/kg	0.0079 U	0.17	0.0079	09/05/18 16:25	
Butylbenzylphthalate	mg/kg	0.0084 U	0.17	0.0084	09/05/18 16:25	
Chrysene	mg/kg	0.011 U	0.034	0.011	09/05/18 16:25	
Di-n-butylphthalate	mg/kg	0.025 U	0.17	0.025	09/05/18 16:25	
Di-n-octylphthalate	mg/kg	0.041 U	0.17	0.041	09/05/18 16:25	
Dibenz(a,h)anthracene	mg/kg	0.0078 U	0.034	0.0078	09/05/18 16:25	
Dibenzofuran	mg/kg	0.0077 U	0.17	0.0077	09/05/18 16:25	
Diethylphthalate	mg/kg	0.0064 U	0.17	0.0064	09/05/18 16:25	
Dimethylphthalate	mg/kg	0.0072 U	0.17	0.0072	09/05/18 16:25	
Fluoranthene	mg/kg	0.011 U	0.034	0.011	09/05/18 16:25	
Fluorene	mg/kg	0.012 U	0.037	0.012	09/05/18 16:25	
Hexachloro-1,3-butadiene	mg/kg	0.011 U	0.17	0.011	09/05/18 16:25	
Hexachlorobenzene	mg/kg	0.0066 U	0.17	0.0066	09/05/18 16:25	
Hexachlorocyclopentadiene	mg/kg	0.013 U	0.67	0.013	09/05/18 16:25	
Hexachloroethane	mg/kg	0.0096 U	0.17	0.0096	09/05/18 16:25	
Indeno(1,2,3-cd)pyrene	mg/kg	0.0077 U	0.034	0.0077	09/05/18 16:25	
Isophorone	mg/kg	0.0086 U	0.17	0.0086	09/05/18 16:25	
N-Nitroso-di-n-propylamine	mg/kg	0.0093 U	0.17	0.0093	09/05/18 16:25	
N-Nitrosodimethylamine	mg/kg	0.011 U	0.17	0.011	09/05/18 16:25	
N-Nitrosodiphenylamine	mg/kg	0.0077 U	0.17	0.0077	09/05/18 16:25	
Naphthalene	mg/kg	0.012 U	0.035	0.012	09/05/18 16:25	
Nitrobenzene	mg/kg	0.011 U	0.17	0.011	09/05/18 16:25	
Pentachlorophenol	mg/kg	0.087 U	0.67	0.087	09/05/18 16:25	
Phenanthrene	mg/kg	0.011 U	0.034	0.011	09/05/18 16:25	
Phenol	mg/kg	0.0095 U	0.17	0.0095	09/05/18 16:25	
Pyrene	mg/kg	0.011 U	0.034	0.011	09/05/18 16:25	
2,4,6-Tribromophenol (S)	%	93	10-175		09/05/18 16:25	
2-Fluorobiphenyl (S)	%	92	32-129		09/05/18 16:25	
2-Fluorophenol (S)	%	73	10-113		09/05/18 16:25	
Nitrobenzene-d5 (S)	%	83	16-123		09/05/18 16:25	
p-Terphenyl-d14 (S)	%	103	38-138		09/05/18 16:25	
Phenol-d6 (S)	%	79	10-117		09/05/18 16:25	

LABORATORY CONTROL SAMPLE: 2568218

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	mg/kg	1.7	1.2	73	51-110	
1,2-Dichlorobenzene	mg/kg	1.7	1.2	69	51-110	
1,2-Diphenylhydrazine	mg/kg	1.7	1.3	78	61-111	
1,3-Dichlorobenzene	mg/kg	1.7	1.1	68	50-110	
1,4-Dichlorobenzene	mg/kg	1.7	1.2	69	51-110	
1-Methylnaphthalene	mg/kg	1.7	1.2	74	27-123	
2,4,5-Trichlorophenol	mg/kg	1.7	1.3	80	55-114	

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QUALITY CONTROL DATA

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

LABORATORY CONTROL SAMPLE: 2568218

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,6-Trichlorophenol	mg/kg	1.7	1.3	78	58-110	
2,4-Dichlorophenol	mg/kg	1.7	1.3	78	57-110	
2,4-Dimethylphenol	mg/kg	1.7	1.3	75	59-110	
2,4-Dinitrophenol	mg/kg	1.7	0.97	58	39-113	
2,4-Dinitrotoluene	mg/kg	1.7	1.4	86	68-110	
2,6-Dinitrotoluene	mg/kg	1.7	1.4	83	66-110	
2-Chloronaphthalene	mg/kg	1.7	1.4	82	59-110	
2-Chlorophenol	mg/kg	1.7	1.2	71	51-110	
2-Methylnaphthalene	mg/kg	1.7	1.2	74	16-137	
2-Methylphenol(o-Cresol)	mg/kg	1.7	1.2	71	56-110	
2-Nitroaniline	mg/kg	1.7	1.4	82	59-110	
2-Nitrophenol	mg/kg	1.7	1.2	74	56-110	
3&4-Methylphenol(m&p Cresol)	mg/kg	1.7	1.2	71	55-110	
3,3'-Dichlorobenzidine	mg/kg	1.7	1.5	87	66-110	
3-Nitroaniline	mg/kg	1.7	1.3	79	59-117	
4,6-Dinitro-2-methylphenol	mg/kg	1.7	1.5	89	55-113	
4-Bromophenylphenyl ether	mg/kg	1.7	1.4	82	65-110	
4-Chloro-3-methylphenol	mg/kg	1.7	1.3	80	64-110	
4-Chloroaniline	mg/kg	1.7	1.3	76	56-110	
4-Chlorophenylphenyl ether	mg/kg	1.7	1.4	83	58-111	
4-Nitroaniline	mg/kg	1.7	1.4	86	70-110	
4-Nitrophenol	mg/kg	1.7	1.6	94	49-136	
Acenaphthene	mg/kg	1.7	1.3	77	37-120	
Acenaphthylene	mg/kg	1.7	1.4	81	41-120	
Aniline	mg/kg	1.7	1.1	64	50-150	
Anthracene	mg/kg	1.7	1.4	83	45-120	
Benzo(a)anthracene	mg/kg	1.7	1.4	82	44-120	
Benzo(a)pyrene	mg/kg	1.7	1.3	78	44-123	
Benzo(b)fluoranthene	mg/kg	1.7	1.3	75	37-124	
Benzo(g,h,i)perylene	mg/kg	1.7	1.3	79	42-125	
Benzo(k)fluoranthene	mg/kg	1.7	1.4	83	44-126	
Benzyl alcohol	mg/kg	1.7	1.2	72	50-150	
bis(2-Chloroethoxy)methane	mg/kg	1.7	1.1	68	53-110	
bis(2-Chloroethyl) ether	mg/kg	1.7	0.96	57	45-110	
bis(2-Chloroisopropyl) ether	mg/kg	1.7	0.82	49	51-110	J(L2)
bis(2-Ethylhexyl)phthalate	mg/kg	1.7	1.4	85	71-110	
Butylbenzylphthalate	mg/kg	1.7	1.4	84	72-110	
Chrysene	mg/kg	1.7	1.4	82	45-120	
Di-n-butylphthalate	mg/kg	1.7	1.4	86	67-115	
Di-n-octylphthalate	mg/kg	1.7	1.5	89	71-110	
Dibenz(a,h)anthracene	mg/kg	1.7	1.3	79	43-124	
Dibenzofuran	mg/kg	1.7	1.4	81	63-110	
Diethylphthalate	mg/kg	1.7	1.4	85	65-112	
Dimethylphthalate	mg/kg	1.7	1.4	82	63-111	
Fluoranthene	mg/kg	1.7	1.4	86	45-120	
Fluorene	mg/kg	1.7	1.3	80	42-120	
Hexachloro-1,3-butadiene	mg/kg	1.7	1.3	76	51-110	

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QUALITY CONTROL DATA

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

LABORATORY CONTROL SAMPLE: 2568218

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorobenzene	mg/kg	1.7	1.4	81	65-110	
Hexachlorocyclopentadiene	mg/kg	1.7	1.5	88	18-112	
Hexachloroethane	mg/kg	1.7	1.1	67	49-110	
Indeno(1,2,3-cd)pyrene	mg/kg	1.7	1.3	78	43-123	
Isophorone	mg/kg	1.7	1.2	70	52-110	
N-Nitroso-di-n-propylamine	mg/kg	1.7	1.1	67	46-110	
N-Nitrosodimethylamine	mg/kg	1.7	1.0	62	42-110	
N-Nitrosodiphenylamine	mg/kg	1.7	1.4	82	66-110	
Naphthalene	mg/kg	1.7	1.2	70	40-120	
Nitrobenzene	mg/kg	1.7	1.1	68	49-110	
Pentachlorophenol	mg/kg	1.7	1.1	68	49-117	
Phenanthrene	mg/kg	1.7	1.4	83	36-125	
Phenol	mg/kg	1.7	1.1	66	52-110	
Pyrene	mg/kg	1.7	1.4	81	41-123	
2,4,6-Tribromophenol (S)	%			86	10-175	
2-Fluorobiphenyl (S)	%			80	32-129	
2-Fluorophenol (S)	%			64	10-113	
Nitrobenzene-d5 (S)	%			76	16-123	
p-Terphenyl-d14 (S)	%			94	38-138	
Phenol-d6 (S)	%			71	10-117	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2568246 2568247

Parameter	Units	35414600006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trichlorobenzene	mg/kg	0.010 U	1.8	1.8	1.1	1.1	61	63	51-110	4	40	
1,2-Dichlorobenzene	mg/kg	0.011 U	1.8	1.8	1.0	1.0	59	59	51-110	1	40	
1,2-Diphenylhydrazine	mg/kg	0.0081 U	1.8	1.8	1.2	1.3	68	74	61-111	9	40	
1,3-Dichlorobenzene	mg/kg	0.013 U	1.8	1.8	1.0	1.0	57	58	50-110	2	40	
1,4-Dichlorobenzene	mg/kg	0.011 U	1.8	1.8	1.0	1.0	59	58	51-110	2	40	
1-Methylnaphthalene	mg/kg	0.014 U	1.8	1.8	1.1	1.1	63	64	27-123	2	40	
2,4,5-Trichlorophenol	mg/kg	0.0071 U	1.8	1.8	1.3	1.3	73	76	55-114	5	40	
2,4,6-Trichlorophenol	mg/kg	0.0097 U	1.8	1.8	1.2	1.3	68	71	58-110	5	40	
2,4-Dichlorophenol	mg/kg	0.0079 U	1.8	1.8	1.1	1.1	66	65	57-110	0	40	
2,4-Dimethylphenol	mg/kg	0.0081 U	1.8	1.8	1.1	1.1	62	65	59-110	5	40	
2,4-Dinitrophenol	mg/kg	0.031 U	1.8	1.8	0.52 I	0.93	30	53	39-113		40	J(M1)
2,4-Dinitrotoluene	mg/kg	0.048 U	1.8	1.8	1.3	1.5	75	84	68-110	11	40	
2,6-Dinitrotoluene	mg/kg	0.0086 U	1.8	1.8	1.3	1.4	72	79	66-110	9	40	
2-Chloronaphthalene	mg/kg	0.0085 U	1.8	1.8	1.2	1.1	70	64	59-110	10	40	
2-Chlorophenol	mg/kg	0.0077 U	1.8	1.8	1.1	1.1	62	61	51-110	2	40	
2-Methylnaphthalene	mg/kg	0.014 U	1.8	1.8	1.1	1.1	64	64	16-137	1	40	
2-Methylphenol(o-Cresol)	mg/kg	0.0086 U	1.8	1.8	1.1	1.1	60	62	56-110	4	40	
2-Nitroaniline	mg/kg	0.044 U	1.8	1.8	1.3	1.3	72	74	59-110	3	40	
2-Nitrophenol	mg/kg	0.057 U	1.8	1.8	1.1	1.1	62	64	56-110	4	40	

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QUALITY CONTROL DATA

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2568246 2568247

Parameter	Units	35414600006 Result		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
3&4-Methylphenol(m&p Cresol)	mg/kg	0.0081	U	1.8	1.8	1.1	1.1	63	63	55-110	0	40	
3,3'-Dichlorobenzidine	mg/kg	0.0091	U	1.8	1.8	1.3	1.5	75	88	66-110	16	40	
3-Nitroaniline	mg/kg	0.0080	U	1.8	1.8	1.2	1.3	68	75	59-117	9	40	
4,6-Dinitro-2-methylphenol	mg/kg	0.053	U	1.8	1.8	1.0	1.5	59	85	55-113	36	40	
4-Bromophenylphenyl ether	mg/kg	0.0072	U	1.8	1.8	1.2	1.3	71	73	65-110	4	40	
4-Chloro-3-methylphenol	mg/kg	0.0071	U	1.8	1.8	1.2	1.2	67	71	64-110	6	40	
4-Chloroaniline	mg/kg	0.0086	U	1.8	1.8	1.1	1.2	64	69	56-110	8	40	
4-Chlorophenylphenyl ether	mg/kg	0.0071	U	1.8	1.8	1.3	1.3	73	75	58-111	3	40	
4-Nitroaniline	mg/kg	0.040	U	1.8	1.8	1.3	1.4	74	81	70-110	9	40	
4-Nitrophenol	mg/kg	0.077	U	1.8	1.8	1.2	1.5	70	86	49-136	20	40	
Acenaphthene	mg/kg	0.012	U	1.8	1.8	1.2	1.2	68	70	37-120	3	40	
Acenaphthylene	mg/kg	0.011	U	1.8	1.8	1.3	1.3	73	74	41-120	3	40	
Aniline	mg/kg	0.010	U	1.8	1.8	0.99	1.0	57	57	50-150	1	40	
Anthracene	mg/kg	0.013	U	1.8	1.8	1.3	1.4	74	82	45-120	11	40	
Benzo(a)anthracene	mg/kg	0.010	U	1.8	1.8	1.2	1.4	71	81	44-120	14	40	
Benzo(a)pyrene	mg/kg	0.0089	U	1.8	1.8	1.2	1.4	67	78	44-123	15	40	
Benzo(b)fluoranthene	mg/kg	0.0095	U	1.8	1.8	1.2	1.4	66	80	37-124	20	40	
Benzo(g,h,i)perylene	mg/kg	0.0090	U	1.8	1.8	1.2	1.4	67	78	42-125	15	40	
Benzo(k)fluoranthene	mg/kg	0.0096	U	1.8	1.8	1.2	1.3	70	75	44-126	7	40	
Benzyl alcohol	mg/kg	0.0088	U	1.8	1.8	1.1	1.1	62	61	50-150	1	40	
bis(2-Chloroethoxy)methane	mg/kg	0.0087	U	1.8	1.8	1.0	1.1	58	61	53-110	5	40	
bis(2-Chloroethyl) ether	mg/kg	0.012	U	1.8	1.8	0.90	0.85	52	49	45-110	5	40	
bis(2-Chloroisopropyl) ether	mg/kg	0.010	U	1.8	1.8	0.76	0.75	43	43	51-110	1	40	J(M0)
bis(2-Ethylhexyl)phthalate	mg/kg	0.0083	U	1.8	1.8	1.3	1.5	74	86	71-110	15	40	
Butylbenzylphthalate	mg/kg	0.0089	U	1.8	1.8	1.3	1.5	74	86	72-110	16	40	
Chrysene	mg/kg	0.011	U	1.8	1.8	1.2	1.5	71	83	45-120	15	40	
Di-n-butylphthalate	mg/kg	0.027	U	1.8	1.8	1.3	1.5	74	88	67-115	18	40	
Di-n-octylphthalate	mg/kg	0.043	U	1.8	1.8	1.4	1.6	77	92	71-110	17	40	
Dibenz(a,h)anthracene	mg/kg	0.0082	U	1.8	1.8	1.2	1.3	67	76	43-124	13	40	
Dibenzofuran	mg/kg	0.0082	U	1.8	1.8	1.3	1.3	72	73	63-110	2	40	
Diethylphthalate	mg/kg	0.0068	U	1.8	1.8	1.3	1.4	75	82	65-112	10	40	
Dimethylphthalate	mg/kg	0.0076	U	1.8	1.8	1.2	1.3	71	74	63-111	4	40	
Fluoranthene	mg/kg	0.012	U	1.8	1.8	1.3	1.5	73	85	45-120	15	40	
Fluorene	mg/kg	0.013	U	1.8	1.8	1.3	1.3	72	75	42-120	5	40	
Hexachloro-1,3-butadiene	mg/kg	0.012	U	1.8	1.8	1.1	1.1	63	64	51-110	2	40	
Hexachlorobenzene	mg/kg	0.0070	U	1.8	1.8	1.2	1.4	70	78	65-110	10	40	
Hexachlorocyclopentadiene	mg/kg	0.014	U	1.8	1.8	1.6	1.5	90	88	18-112	2	40	
Hexachloroethane	mg/kg	0.010	U	1.8	1.8	0.97	0.99	56	56	49-110	2	40	
Indeno(1,2,3-cd)pyrene	mg/kg	0.0082	U	1.8	1.8	1.2	1.4	67	77	43-123	14	40	
Isophorone	mg/kg	0.0091	U	1.8	1.8	1.1	1.1	61	60	52-110	2	40	
N-Nitroso-di-n-propylamine	mg/kg	0.0098	U	1.8	1.8	1.0	1.0	59	58	46-110	1	40	
N-Nitrosodimethylamine	mg/kg	0.012	U	1.8	1.8	0.98	0.97	56	55	42-110	1	40	
N-Nitrosodiphenylamine	mg/kg	0.0082	U	1.8	1.8	1.2	1.4	71	78	66-110	10	40	
Naphthalene	mg/kg	0.012	U	1.8	1.8	1.0	1.1	59	61	40-120	4	40	
Nitrobenzene	mg/kg	0.012	U	1.8	1.8	1.0	1.0	58	59	49-110	2	40	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2568246 2568247

Parameter	Units	35414600006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Pentachlorophenol	mg/kg	0.092 U	1.8	1.8	0.95	1.2	54	66	49-117	21	40	
Phenanthrene	mg/kg	0.012 U	1.8	1.8	1.3	1.4	73	81	36-125	11	40	
Phenol	mg/kg	0.010 U	1.8	1.8	1.0	1.0	57	58	52-110	3	40	
Pyrene	mg/kg	0.011 U	1.8	1.8	1.2	1.4	70	81	41-123	14	40	
2,4,6-Tribromophenol (S)	%						71	79	10-175			
2-Fluorobiphenyl (S)	%						71	72	32-129			
2-Fluorophenol (S)	%						55	56	10-113			
Nitrobenzene-d5 (S)	%						63	65	16-123			
p-Terphenyl-d14 (S)	%						81	95	38-138			
Phenol-d6 (S)	%						60	62	10-117			

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QUALITY CONTROL DATA

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

QC Batch: 474831
QC Batch Method: EPA 3546
Analysis Method: FL-PRO
Analysis Description: FL-PRO Soil
Associated Lab Samples: 35415134001

METHOD BLANK: 2569645
Matrix: Solid
Associated Lab Samples: 35415134001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Petroleum Range Organics	mg/kg	2.6 U	4.0	2.6	09/06/18 01:44	
N-Pentatriacontane (S)	%	103	42-159		09/06/18 01:44	
o-Terphenyl (S)	%	102	62-109		09/06/18 01:44	

LABORATORY CONTROL SAMPLE: 2569646

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Petroleum Range Organics	mg/kg	197	178	90	63-153	
N-Pentatriacontane (S)	%			106	42-159	
o-Terphenyl (S)	%			106	62-109	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2569647 2569648

Parameter	Units	35415088001 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	47.3	217	214	175	186	59	65	51-215	6	25	D4
N-Pentatriacontane (S)	%						79	84	42-159			
o-Terphenyl (S)	%						77	84	62-109			

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(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

QC Batch: 475338
QC Batch Method: EPA 3546
Analysis Method: FL-PRO
Analysis Description: FL-PRO Soil
Associated Lab Samples: 35415134002

METHOD BLANK: 2572849
Matrix: Solid
Associated Lab Samples: 35415134002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Petroleum Range Organics	mg/kg	2.5 U	4.0	2.5	09/07/18 11:03	
N-Pentatriacontane (S)	%	121	42-159		09/07/18 11:03	
o-Terphenyl (S)	%	103	62-109		09/07/18 11:03	

LABORATORY CONTROL SAMPLE: 2572850

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Petroleum Range Organics	mg/kg	200	155	78	63-153	
N-Pentatriacontane (S)	%			100	42-159	
o-Terphenyl (S)	%			101	62-109	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2572884 2572885

Parameter	Units	35414441003 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	2.6 U	202	201	137	161	67	79	51-215	16	25	
N-Pentatriacontane (S)	%						90	121	42-159			
o-Terphenyl (S)	%						92	105	62-109			

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(386)672-5668

QUALITY CONTROL DATA

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

QC Batch: 475068
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 35415134001, 35415134002

SAMPLE DUPLICATE: 2571257

Parameter	Units	35414781001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	98.8	98.9	0	5	

SAMPLE DUPLICATE: 2571258

Parameter	Units	35415028001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	84.7	85.1	0	5	

SAMPLE DUPLICATE: 2571259

Parameter	Units	35415101001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.5	7.9	6	5	J(D6)

SAMPLE DUPLICATE: 2571260

Parameter	Units	35415183001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.8	5.5	5	5	

SAMPLE DUPLICATE: 2571261

Parameter	Units	35415399001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	10.0	9.7	3	5	

SAMPLE DUPLICATE: 2571262

Parameter	Units	35415399010 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.5	9.7	32	5	J(D6)

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Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

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

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

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.
1p	The continuing calibration standard failed low for this analyte. A reporting limit standard was run and ensured detectability of the target analyte at the reporting limit. The analyte is qualitatively being reported BDL as it was not detected in the sample.
C0	Result confirmed by second analysis.
CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D4	Sample was diluted due to the presence of high levels of target analytes.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(L2)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
J(M0)	Estimated Value. Matrix spike recovery was outside laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(S1)	Estimated Value. Surrogate recovery outside laboratory control limits (confirmed by re-analysis).

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JEA SJRPP-Revised Report
Pace Project No.: 35415134

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35415134001	**SAWPIT DU-2 A**	EPA 3546	474819	EPA 8082	475109
35415134002	**SAWPIT DU-2 B**	EPA 3546	474819	EPA 8082	475109
35415134001	**SAWPIT DU-2 A**	EPA 3546	474831	FL-PRO	474980
35415134002	**SAWPIT DU-2 B**	EPA 3546	475338	FL-PRO	475440
35415134001	**SAWPIT DU-2 A**	EPA 3050	475788	EPA 6010	475815
35415134002	**SAWPIT DU-2 B**	EPA 3050	475788	EPA 6010	475815
35415134001	**SAWPIT DU-2 A**	EPA 7471	475093	EPA 7471	475614
35415134002	**SAWPIT DU-2 B**	EPA 7471	475093	EPA 7471	475614
35415134001	**SAWPIT DU-2 A**	EPA 3546	474583	EPA 8270	474678
35415134002	**SAWPIT DU-2 B**	EPA 3546	474583	EPA 8270	474678
35415134001	**SAWPIT DU-2 A**	EPA 5035	474771	EPA 8260	474788
35415134002	**SAWPIT DU-2 B**	EPA 5035	474771	EPA 8260	474788
35415134001	**SAWPIT DU-2 A**	ASTM D2974-87	475068		
35415134002	**SAWPIT DU-2 B**	ASTM D2974-87	475068		

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WO# : 35415134

35415134

Pace Analytical

HAIN-OF-CUSTODY / Analytical Request Document

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

Page : 1 Of 1

Section A Required Client Information:		Required Project Information:		Section C Invoice Information:	
Company:	APTIM-Environmental & Infrastructure, Inc-Jackson	Report To:	Greg Dever	Attention:	
Address:	1228 Winter Garden Vineland Rd	Copy To:		Company Name:	
Winter Garden, FL 34787				Address:	
Email:	greg.dever@aptim.com	Purchase Order #:		Pace Quote:	
Phone:	(407)466-6895 Fax:	Project Name:	JEA SJRPP	Pace Project Manager:	todd.rea@pacelabs.com,
Requested Due Date:	Standard	Project #:	631229337	Pace Profile #:	10649

Regulatory Agency

State / Location: FL

ITEM #	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 START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analyses Test: VOC Full (8260)	SVOC Full (8270)	PCBs (8082)	TRPH (FL-PRO)	RCRA Metals + B (6010/747	Residual Chlorine (Y/N)
1	SAWPIT DU-2 A	SL	C	9/4/18			1105												✓	✓	✓	✓	✓	
2	SAWPIT DU-2 B	SL	C	9/4/18			1135												✓	✓	✓	✓	✓	
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

MATRIX CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature] APTIM	9/4/18	1250	[signature] PACE	9/4/18	1250	WS			
*NEED RESULTS BY TUESDAY !! 9-11	[signature] Pace	9/4/18	1700	FLX Courier	9/4/18	1702	IB			
	FLX Courier			Signed / Pace	9.5.18	0005	1.0	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Greg Donoher

SIGNATURE of SAMPLER: [signature] DATE Signed: 9/4/18

TEMP in C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: May 30, 2018
	Document No.: F-FL-C-007 rev. 13	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # WO#: 35415134

Project Manager: PM: TSR **Due Date:** 09/11/18

Client: CLIENT: SHAJAX

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

Thermometer Used: T345 Date: 9.5.18 Time: 0005 Initials: ARS

State of Origin: _____ ☐ For WV projects, all containers verified to ≤6 °C

Cooler #1 Temp.°C	0.8 **(Visual)**	+0.2 **(Correction Factor)**	1.0 **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #2 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #3 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #4 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #5 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ Samples on ice, cooling process has begun
Cooler #6 Temp.°C	_____ **(Visual)**	_____ **(Correction Factor)**	_____ **(Actual)**	☐ 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 Dry 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	☑Yes ☐ No ☐N/A	
Chain of Custody Filled Out	☑Yes ☐ No ☐N/A	
Relinquished Signature & Sampler Name COC	☑Yes ☐ No ☐N/A	
Samples Arrived within Hold Time	☑Yes ☐ No ☐N/A	
Rush TAT requested on COC	☑Yes ~~☐ No~~ ☐N/A	9/11/18
Sufficient Volume	☑Yes ☐ No ☐N/A	
Correct Containers Used	☑Yes ☐ No ☐N/A	
Containers Intact	☑Yes ☐ No ☐N/A	
Sample Labels match COC (sample IDs & date/time of collection)	☑Yes ☐ No ☐N/A	
All containers needing acid/base preservation have been checked.	☐Yes ☐ No ☑N/A	Preservation Information:
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	☐Yes ☐ No ☑N/A	Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
Headspace in VOA Vials? (>6mm):	☐Yes ☐ No ☑N/A	
Trip Blank Present:	☐Yes ☐ No ☑N/A	

Client Notification/ Resolution:
Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments): _____

Project Manager Review: _____ Date: _____

March 7, 2019

Josh Johnson
Project Manager
Lone Wolf Resources, LLC
3415 Greystone Drive #104
Austin, TX 78731

Re: St. Johns Power Park – FIND Site Offloading
Sediment Sampling Reports. Duval County, Florida
Taylor Contract: C2018-045

Dear Mr. Johnson:

Taylor Engineering is pleased to submit the enclosed sediment chemistry laboratory testing results for DU-3/4. Prior to the removal of material from the site, Taylor Engineering collected one composite sample from DMMA DU-3/4 on February 22, 2019. Taylor Engineering representatives conducted one hang auger boring to 12 feet below ground surface on the southern dike near the top of the access ramp (**Attachment A**). A composite sample was collected for chemical analyte testing in accordance with DEP-SOP-001/01 FS 4000, Sediment Sampling and transported to Advanced Environmental Laboratories (AEL) for laboratory testing. **Attachment B** contains the results provided by AEL. In general, no chemical contaminants were detected. For all results the compounds analyzed were either not detected or the reported value was less than the laboratory method detection limit or below the laboratory practical quantitation limit, indicating that no contaminants were detected.

If you need any additional information or have any questions, please contact me at (904) 731-7040 or baley@taylorengineering.com.

Sincerely,

William Aley, P.G.
Professional Geologist

ATTACHMENT A
Sample Location Map

DU-3/4

February 22, 2019

Legend

Sediment Sample

Sawpit Rd

Sediment Sample

Google Earth

©2018 Google

N

300 ft

ATTACHMENT B
AEL Laboratory Results

Advanced Environmental Laboratories, Inc.

Advanced Environmental Laboratories, Inc
6681 Southpoint Pkwy Jacksonville, FL32216
Payments: P.O. Box 551580 Jacksonville, FL32255-1580
Phone: (904)363-9350
Fax: (904)363-9354

March 7, 2019

Bill Aley
Taylor Engineering
10151 Deerwood Park Blvd.
Bldg. 300, Suite 300
Jacksonville, FL 32256

RE: Workorder: J1902420 FIND Offload Site

Dear Bill Aley:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, February 22, 2019. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

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

Sincerely,

Craig Myers - Client Services Manager
CMyers@AELLab.com

Enclosures

CERTIFICATE OF ANALYSIS

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Advanced Environmental Laboratories, Inc.

Advanced Environmental Laboratories, Inc
6681 Southpoint Pkwy Jacksonville, FL32216
Payments: P.O. Box 551580 Jacksonville, FL32255-1580
Phone: (904)363-9350
Fax: (904)363-9354

SAMPLE SUMMARY

Workorder: J1902420 FIND Offload Site

Lab ID	Sample ID	Matrix	Date Collected	Date Received
J1902420001	DU-3_4	Soil	2/22/2019 10:30	2/22/2019 13:49

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6681 Southpoint Pkwy Jacksonville, FL32216
Payments: P.O. Box 551580 Jacksonville, FL32255-1580
Phone: (904)363-9350
Fax: (904)363-9354

ANALYTICAL RESULTS

Workorder: J1902420 FIND Offload Site

Lab ID: **J1902420001** Date Received: 02/22/19 13:49 Matrix: Soil

Sample ID: **DU-3_4** Date Collected: 02/22/19 10:30

Results for sample J1902420001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils	Preparation Method: SW-846 3050B Analytical Method: SW-846 6010							
Arsenic	**0.54**	**U**	**mg/Kg**	**1**	2.2	0.54	2/26/2019 16:29	J
Barium	**8.1**		**mg/Kg**	**1**	0.11	0.039	2/26/2019 16:29	J
Boron	**0.66**	**U**	**mg/Kg**	**1**	1.4	0.66	2/26/2019 16:29	J
Cadmium	**0.068**	**I**	**mg/Kg**	**1**	0.16	0.034	2/26/2019 16:29	J
Chromium	**2.7**		**mg/Kg**	**1**	0.16	0.075	2/26/2019 16:29	J
Lead	**1.5**		**mg/Kg**	**1**	0.54	0.16	2/26/2019 16:29	J
Selenium	**0.62**	**U**	**mg/Kg**	**1**	1.4	0.62	2/26/2019 16:29	J
Silver	**0.19**	**U**	**mg/Kg**	**1**	0.54	0.19	2/26/2019 16:29	J
Analysis Desc: SW846 7471A Analysis, Soil	Preparation Method: SW-846 7471A Analytical Method: SW-846 7471A							
Mercury	**0.0061**		**mg/Kg**	**1**	0.0052	0.00073	2/25/2019 15:41	J
SEMIVOLATILES								
Analysis Desc: FL-PRO Analysis, Soil	Preparation Method: FL-PRO Analytical Method: FL-PRO							
TPH	**11**	**U**	**mg/Kg**	**1**	18	11	3/5/2019 11:28	J
o-Terphenyl (S)	**114**		**%**	**1**	66-136		3/5/2019 11:28	
Nonatricontane-C39 (S)	**90**		**%**	**1**	36-132		3/5/2019 11:28	
Analysis Desc: 8082A PCB Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8082A							
Aroclor 1016 (PCB-1016)	**6.8**	**U**	**ug/Kg**	**1**	37	6.8	3/2/2019 19:44	J
Aroclor 1221 (PCB-1221)	**13**	**U**	**ug/Kg**	**1**	37	13	3/2/2019 19:44	J
Aroclor 1232 (PCB-1232)	**32**	**U**	**ug/Kg**	**1**	37	32	3/2/2019 19:44	J
Aroclor 1242 (PCB-1242)	**8.7**	**U**	**ug/Kg**	**1**	37	8.7	3/2/2019 19:44	J
Aroclor 1248 (PCB-1248)	**23**	**U**	**ug/Kg**	**1**	37	23	3/2/2019 19:44	J
Aroclor 1254 (PCB-1254)	**16**	**U**	**ug/Kg**	**1**	37	16	3/2/2019 19:44	J
Aroclor 1260 (PCB-1260)	**7.8**	**U**	**ug/Kg**	**1**	37	7.8	3/2/2019 19:44	J
Tetrachloro-m-xylene (S)	**96**		**%**	**1**	44-130		3/2/2019 19:44	
Decachlorobiphenyl (S)	**89**		**%**	**1**	61-147		3/2/2019 19:44	
Analysis Desc: 8270C Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8270C							
1,2,4-Trichlorobenzene	**0.064**	**U**	**mg/Kg**	**1**	0.18	0.064	3/5/2019 13:46	J

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ANALYTICAL RESULTS

Workorder: J1902420 FIND Offload Site

Lab ID: **J1902420001** Date Received: 02/22/19 13:49 Matrix: Soil

Sample ID: **DU-3_4** Date Collected: 02/22/19 10:30

Results for sample J1902420001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,2-Dichlorobenzene	**0.11**	**U**	**mg/Kg**	**1**	0.18	0.11	3/5/2019 13:46	J
1,2-Diphenylhydrazine	**0.16**	**U**	**mg/Kg**	**1**	0.18	0.16	3/5/2019 13:46	J
1,3-Dichlorobenzene	**0.10**	**U**	**mg/Kg**	**1**	0.18	0.10	3/5/2019 13:46	J
1,4-Dichlorobenzene	**0.10**	**U**	**mg/Kg**	**1**	0.18	0.10	3/5/2019 13:46	J
1-Methylnaphthalene	**0.0026**	**U**	**mg/Kg**	**1**	0.0073	0.0026	3/5/2019 13:46	J
2,4,6-Trichlorophenol	**0.095**	**U**	**mg/Kg**	**1**	0.18	0.095	3/5/2019 13:46	J
2,4-Dichlorophenol	**0.067**	**U**	**mg/Kg**	**1**	0.18	0.067	3/5/2019 13:46	J
2,4-Dimethylphenol	**0.11**	**U**	**mg/Kg**	**1**	0.18	0.11	3/5/2019 13:46	J
2,4-Dinitrophenol	**0.067**	**U**	**mg/Kg**	**1**	0.36	0.067	3/5/2019 13:46	J
2,4-Dinitrotoluene (2,4-DNT)	**0.084**	**U**	**mg/Kg**	**1**	0.18	0.084	3/5/2019 13:46	J
2,6-Dinitrotoluene (2,6-DNT)	**0.086**	**U**	**mg/Kg**	**1**	0.18	0.086	3/5/2019 13:46	J
2-Chloronaphthalene	**0.12**	**U**	**mg/Kg**	**1**	0.18	0.12	3/5/2019 13:46	J
2-Chlorophenol	**0.099**	**U**	**mg/Kg**	**1**	0.18	0.099	3/5/2019 13:46	J
2-Methyl-4,6-dinitrophenol	**0.074**	**U**	**mg/Kg**	**1**	0.36	0.074	3/5/2019 13:46	J
2-Methylnaphthalene	**0.0025**	**U**	**mg/Kg**	**1**	0.0073	0.0025	3/5/2019 13:46	J
2-Nitrophenol	**0.070**	**U**	**mg/Kg**	**1**	0.18	0.070	3/5/2019 13:46	J
3,3`-Dichlorobenzidine	**0.10**	**U**	**mg/Kg**	**1**	0.18	0.10	3/5/2019 13:46	J
4-Bromophenyl Phenyl Ether	**0.088**	**U**	**mg/Kg**	**1**	0.18	0.088	3/5/2019 13:46	J
4-Chloro-3-methylphenol	**0.094**	**U**	**mg/Kg**	**1**	0.18	0.094	3/5/2019 13:46	J
4-Chlorophenyl Phenyl Ether	**0.10**	**U**	**mg/Kg**	**1**	0.18	0.10	3/5/2019 13:46	J
4-Nitrophenol	**0.16**	**U**	**mg/Kg**	**1**	0.18	0.16	3/5/2019 13:46	J
Acenaphthene	**0.0028**	**U**	**mg/Kg**	**1**	0.0073	0.0028	3/5/2019 13:46	J
Acenaphthylene	**0.0037**	**U**	**mg/Kg**	**1**	0.0073	0.0037	3/5/2019 13:46	J
Anthracene	**0.0039**	**U**	**mg/Kg**	**1**	0.0073	0.0039	3/5/2019 13:46	J
Benzidine	**0.039**	**U**	**mg/Kg**	**1**	0.18	0.039	3/5/2019 13:46	J
Benzo[a]anthracene	**0.0045**	**U**	**mg/Kg**	**1**	0.0073	0.0045	3/5/2019 13:46	J
Benzo[a]pyrene	**0.0064**	**U**	**mg/Kg**	**1**	0.0073	0.0064	3/5/2019 13:46	J
Benzo[b]fluoranthene	**0.0046**	**U**	**mg/Kg**	**1**	0.0073	0.0046	3/5/2019 13:46	J
Benzo[g,h,i]perylene	**0.0052**	**U**	**mg/Kg**	**1**	0.0073	0.0052	3/5/2019 13:46	J
Benzo[k]fluoranthene	**0.0044**	**U**	**mg/Kg**	**1**	0.0073	0.0044	3/5/2019 13:46	J
Butyl benzyl phthalate	**0.15**	**U**	**mg/Kg**	**1**	0.18	0.15	3/5/2019 13:46	J
Chrysene	**0.0048**	**U**	**mg/Kg**	**1**	0.0073	0.0048	3/5/2019 13:46	J
Di-n-Butyl Phthalate	**0.17**	**U**	**mg/Kg**	**1**	0.18	0.17	3/5/2019 13:46	J
Di-n-octyl Phthalate	**0.15**	**U**	**mg/Kg**	**1**	0.18	0.15	3/5/2019 13:46	J
Dibenzo[a,h]anthracene	**0.0038**	**U**	**mg/Kg**	**1**	0.18	0.0038	3/5/2019 13:46	J
Diethyl phthalate	**0.13**	**U**	**mg/Kg**	**1**	0.18	0.13	3/5/2019 13:46	J
Dimethyl phthalate	**0.11**	**U**	**mg/Kg**	**1**	0.36	0.11	3/5/2019 13:46	J
Fluoranthene	**0.0041**	**U**	**mg/Kg**	**1**	0.0073	0.0041	3/5/2019 13:46	J
Fluorene	**0.0032**	**U**	**mg/Kg**	**1**	0.0073	0.0032	3/5/2019 13:46	J
Hexachlorobenzene	**0.090**	**U**	**mg/Kg**	**1**	0.18	0.090	3/5/2019 13:46	J

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ANALYTICAL RESULTS

Workorder: J1902420 FIND Offload Site

Lab ID: **J1902420001** Date Received: 02/22/19 13:49 Matrix: Soil

Sample ID: **DU-3_4** Date Collected: 02/22/19 10:30

Results for sample J1902420001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Hexachlorobutadiene	**0.061**	**U**	**mg/Kg**	**1**	0.18	0.061	3/5/2019 13:46	J
Hexachlorocyclopentadiene	**0.061**	**U**	**mg/Kg**	**1**	0.18	0.061	3/5/2019 13:46	J
Hexachloroethane	**0.10**	**U**	**mg/Kg**	**1**	0.18	0.10	3/5/2019 13:46	J
Indeno(1,2,3-cd)pyrene	**0.0041**	**U**	**mg/Kg**	**1**	0.0073	0.0041	3/5/2019 13:46	J
Isophorone	**0.099**	**U**	**mg/Kg**	**1**	0.18	0.099	3/5/2019 13:46	J
N-Nitrosodi-n-propylamine	**0.029**	**U**	**mg/Kg**	**1**	0.18	0.029	3/5/2019 13:46	J
N-Nitrosodimethylamine	**0.13**	**U**	**mg/Kg**	**1**	0.18	0.13	3/5/2019 13:46	J
N-Nitrosodiphenylamine	**0.096**	**U**	**mg/Kg**	**1**	0.18	0.096	3/5/2019 13:46	J
Naphthalene	**0.0026**	**U**	**mg/Kg**	**1**	0.0073	0.0026	3/5/2019 13:46	J
Nitrobenzene	**0.15**	**U**	**mg/Kg**	**1**	0.18	0.15	3/5/2019 13:46	J
Pentachlorophenol	**0.063**	**U**	**mg/Kg**	**1**	0.18	0.063	3/5/2019 13:46	J
Phenanthrene	**0.0034**	**U**	**mg/Kg**	**1**	0.0073	0.0034	3/5/2019 13:46	J
Phenol	**0.13**	**U**	**mg/Kg**	**1**	0.18	0.13	3/5/2019 13:46	J
Pyrene	**0.0045**	**U**	**mg/Kg**	**1**	0.0073	0.0045	3/5/2019 13:46	J
bis(2-Chloroethoxy)methane	**0.13**	**U**	**mg/Kg**	**1**	0.18	0.13	3/5/2019 13:46	J
bis(2-Chloroethyl)Ether	**0.11**	**U**	**mg/Kg**	**1**	0.18	0.11	3/5/2019 13:46	J
bis(2-Chloroisopropyl) Ether	**0.11**	**U**	**mg/Kg**	**1**	0.18	0.11	3/5/2019 13:46	J
bis(2-Ethylhexyl) phthalate	**0.15**	**U**	**mg/Kg**	**1**	0.18	0.15	3/5/2019 13:46	J
2-Fluorophenol (S)	**85**		**%**	**1**	35-115		3/5/2019 13:46	
Phenol-d6 (S)	**90**		**%**	**1**	33-122		3/5/2019 13:46	
Nitrobenzene-d5 (S)	**77**		**%**	**1**	37-122		3/5/2019 13:46	
2-Fluorobiphenyl (S)	**81**		**%**	**1**	44-115		3/5/2019 13:46	
2,4,6-Tribromophenol (S)	**111**		**%**	**1**	39-132		3/5/2019 13:46	
p-Terphenyl-d14 (S)	**126**		**%**	**1**	54-127		3/5/2019 13:46	

VOLATILES

Analysis Desc: 8260B Analysis, Soil — Preparation Method: SW-846 5035 — Analytical Method: SW-846 8260B

1,1,1-Trichloroethane	**0.91**	**U**	**ug/Kg**	**1**	2.0	0.91	2/26/2019 11:49	J
1,1,2,2-Tetrachloroethane	**1.3**	**U**	**ug/Kg**	**1**	2.0	1.3	2/26/2019 11:49	J
1,1,2-Trichloroethane	**0.88**	**U**	**ug/Kg**	**1**	2.0	0.88	2/26/2019 11:49	J
1,1-Dichloroethane	**0.84**	**U**	**ug/Kg**	**1**	2.0	0.84	2/26/2019 11:49	J
1,1-Dichloroethylene	**0.79**	**U**	**ug/Kg**	**1**	2.0	0.79	2/26/2019 11:49	J
1,2-Dichlorobenzene	**0.88**	**U**	**ug/Kg**	**1**	2.0	0.88	2/26/2019 11:49	J
1,2-Dichloroethane	**0.92**	**U**	**ug/Kg**	**1**	2.0	0.92	2/26/2019 11:49	J
1,2-Dichloropropane	**0.81**	**U**	**ug/Kg**	**1**	2.0	0.81	2/26/2019 11:49	J
1,3-Dichlorobenzene	**0.84**	**U**	**ug/Kg**	**1**	2.0	0.84	2/26/2019 11:49	J
1,4-Dichlorobenzene	**0.75**	**U**	**ug/Kg**	**1**	2.0	0.75	2/26/2019 11:49	J
2-Chloroethyl Vinyl Ether	**0.50**	**U**	**ug/Kg**	**1**	3.3	0.50	2/26/2019 11:49	J

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ANALYTICAL RESULTS

Workorder: J1902420 FIND Offload Site

Lab ID: **J1902420001** Date Received: 02/22/19 13:49 Matrix: Soil

Sample ID: **DU-3_4** Date Collected: 02/22/19 10:30

Results for sample J1902420001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Acrolein (Propenal)	**4.3**	**U**	**ug/Kg**	**1**	9.9	4.3	2/26/2019 11:49	J
Acrylonitrile	**3.4**	**U**	**ug/Kg**	**1**	9.9	3.4	2/26/2019 11:49	J
Benzene	**0.80**	**U**	**ug/Kg**	**1**	2.0	0.80	2/26/2019 11:49	J
Bromodichloromethane	**0.88**	**U**	**ug/Kg**	**1**	2.0	0.88	2/26/2019 11:49	J
Bromoform	**1.3**	**U**	**ug/Kg**	**1**	3.3	1.3	2/26/2019 11:49	J
Bromomethane	**0.85**	**U**	**ug/Kg**	**1**	2.0	0.85	2/26/2019 11:49	J
Carbon Tetrachloride	**0.93**	**U**	**ug/Kg**	**1**	2.0	0.93	2/26/2019 11:49	J
Chlorobenzene	**0.95**	**U**	**ug/Kg**	**1**	2.0	0.95	2/26/2019 11:49	J
Chloroethane	**0.66**	**U**	**ug/Kg**	**1**	2.0	0.66	2/26/2019 11:49	J
Chloroform	**0.86**	**U**	**ug/Kg**	**1**	2.0	0.86	2/26/2019 11:49	J
Chloromethane	**0.67**	**U**	**ug/Kg**	**1**	2.0	0.67	2/26/2019 11:49	J
Dibromochloromethane	**0.86**	**U**	**ug/Kg**	**1**	2.0	0.86	2/26/2019 11:49	J
Dichlorodifluoromethane	**0.55**	**U**	**ug/Kg**	**1**	2.0	0.55	2/26/2019 11:49	J
Ethylbenzene	**0.72**	**U**	**ug/Kg**	**1**	2.0	0.72	2/26/2019 11:49	J
Methyl tert-butyl Ether (MTBE)	**0.74**	**U**	**ug/Kg**	**1**	2.0	0.74	2/26/2019 11:49	J
Methylene Chloride	**1.8**	**U**	**ug/Kg**	**1**	6.6	1.8	2/26/2019 11:49	J
Tetrachloroethylene (PCE)	**0.80**	**U**	**ug/Kg**	**1**	2.0	0.80	2/26/2019 11:49	J
Toluene	**0.91**	**U**	**ug/Kg**	**1**	2.0	0.91	2/26/2019 11:49	J
Trichloroethene	**0.67**	**U**	**ug/Kg**	**1**	2.0	0.67	2/26/2019 11:49	J
Trichlorofluoromethane	**0.60**	**U**	**ug/Kg**	**1**	2.0	0.60	2/26/2019 11:49	J
Vinyl Chloride	**0.80**	**U,J4**	**ug/Kg**	**1**	2.0	0.80	2/26/2019 11:49	J
Xylene (Total)	**2.5**	**U**	**ug/Kg**	**1**	5.9	2.5	2/26/2019 11:49	J
cis-1,2-Dichloroethylene	**0.93**	**U**	**ug/Kg**	**1**	2.0	0.93	2/26/2019 11:49	J
cis-1,3-Dichloropropene	**0.70**	**U**	**ug/Kg**	**1**	2.0	0.70	2/26/2019 11:49	J
trans-1,2-Dichloroethylene	**0.64**	**U**	**ug/Kg**	**1**	2.0	0.64	2/26/2019 11:49	J
trans-1,3-Dichloropropylene	**0.49**	**U**	**ug/Kg**	**1**	2.0	0.49	2/26/2019 11:49	J
1,2-Dichloroethane-d4 (S)	**93**		**%**	**1**	69-134		2/26/2019 11:49	
Toluene-d8 (S)	**108**		**%**	**1**	72-122		2/26/2019 11:49	
Bromofluorobenzene (S)	**113**		**%**	**1**	79-126		2/26/2019 11:49	

VOLATILES

Analysis Desc: Percent Solids,SM2540G,Soil	Analytical Method: SM 2540G						
Percent Moisture	**8.5**		**%**	**1**		2/26/2019 14:05	J

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ANALYTICAL RESULTS QUALIFIERS

Workorder: J1902420 FIND Offload Site

PARAMETER QUALIFIERS

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J4	Estimated Result

LAB QUALIFIERS

J	DOH Certification #E82574(AEL-JAX)(FL NELAC Certification)

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QUALITY CONTROL DATA

Workorder: J1902420 FIND Offload Site

QC Batch: DGMj/2950 Analysis Method: SW-846 7471A
QC Batch Method: SW-846 7471A Prepared: 02/25/2019 12:10
Associated Lab Samples: J1902420001

METHOD BLANK: 3008205

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Mercury	mg/Kg	0.00070	0.00070	U

QC Batch: DGMj/2959 Analysis Method: SW-846 6010
QC Batch Method: SW-846 3050B Prepared: 02/26/2019 10:00
Associated Lab Samples: J1902420001

METHOD BLANK: 3009380

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Silver	mg/Kg	0.18	0.18	U
Arsenic	mg/Kg	0.50	0.50	U
Boron	mg/Kg	0.61	0.61	U
Barium	mg/Kg	0.036	0.036	U
Cadmium	mg/Kg	0.032	0.032	U
Chromium	mg/Kg	0.069	0.069	U
Lead	mg/Kg	0.15	0.15	U
Selenium	mg/Kg	0.58	0.58	U

QC Batch: MSVj/3116 Analysis Method: SW-846 8260B
QC Batch Method: SW-846 5035 Prepared: 02/26/2019 09:55
Associated Lab Samples: J1902420001

METHOD BLANK: 3011130

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Dichlorodifluoromethane	ug/Kg	0.84	0.84	U
Chloromethane	ug/Kg	1.0	1.0	U
Vinyl Chloride	ug/Kg	1.2	1.2	U
Bromomethane	ug/Kg	1.3	1.3	U
Chloroethane	ug/Kg	1.0	1.0	U
Trichlorofluoromethane	ug/Kg	0.91	0.91	U

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QUALITY CONTROL DATA

Workorder: J1902420 FIND Offload Site

METHOD BLANK: 3011130

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Acrolein (Propenal)	ug/Kg	6.6	6.6	U
1,1-Dichloroethylene	ug/Kg	1.2	1.2	U
Acrylonitrile	ug/Kg	5.2	5.2	U
Methylene Chloride	ug/Kg	2.8	2.8	U
trans-1,2-Dichloroethylene	ug/Kg	0.98	0.98	U
Methyl tert-butyl Ether (MTBE)	ug/Kg	1.1	1.1	U
1,1-Dichloroethane	ug/Kg	1.3	1.3	U
cis-1,2-Dichloroethylene	ug/Kg	1.4	1.4	U
Chloroform	ug/Kg	1.3	1.3	U
1,2-Dichloroethane	ug/Kg	1.4	1.4	U
1,1,1-Trichloroethane	ug/Kg	1.4	1.4	U
Carbon Tetrachloride	ug/Kg	1.4	1.4	U
Benzene	ug/Kg	1.2	1.2	U
1,2-Dichloropropane	ug/Kg	1.2	1.2	U
Trichloroethene	ug/Kg	1.0	1.0	U
Bromodichloromethane	ug/Kg	1.3	1.3	U
2-Chloroethyl Vinyl Ether	ug/Kg	0.76	0.76	U
cis-1,3-Dichloropropene	ug/Kg	1.1	1.1	U
trans-1,3-Dichloropropylene	ug/Kg	0.75	0.75	U
1,1,2-Trichloroethane	ug/Kg	1.3	1.3	U
Toluene	ug/Kg	1.4	1.4	U
Dibromochloromethane	ug/Kg	1.3	1.3	U
Tetrachloroethylene (PCE)	ug/Kg	1.2	1.2	U
Chlorobenzene	ug/Kg	1.4	1.4	U
Ethylbenzene	ug/Kg	1.1	1.1	U
Bromoform	ug/Kg	1.9	1.9	U
1,1,2,2-Tetrachloroethane	ug/Kg	2.0	2.0	U
1,3-Dichlorobenzene	ug/Kg	1.3	1.3	U
1,4-Dichlorobenzene	ug/Kg	1.1	1.1	U
1,2-Dichlorobenzene	ug/Kg	1.3	1.3	U
Xylene (Total)	ug/Kg	3.8	3.8	U
1,2-Dichloroethane-d4 (S)	%	90	69-134	
Toluene-d8 (S)	%	107	72-122	
Bromofluorobenzene (S)	%	108	79-126	

QC Batch: EXTj/2958
Analysis Method: FL-PRO
QC Batch Method: FL-PRO
Prepared: 02/28/2019 12:00
Associated Lab Samples: J1902420001

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Payments: P.O. Box 551580 Jacksonville, FL32255-1580
Phone: (904)363-9350
Fax: (904)363-9354

QUALITY CONTROL DATA

Workorder: J1902420 FIND Offload Site

METHOD BLANK: 3012617

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
TPH	mg/Kg	9.8	9.8	U
o-Terphenyl (S)	%	122	66-136	
Nonatricontane-C39 (S)	%	92	36-132	

QC Batch: EXTj/2958 Analysis Method: FL-PRO
QC Batch Method: FL-PRO Prepared: 03/01/2019 12:00
Associated Lab Samples: J1902420001

METHOD BLANK: 3012617

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
TPH	mg/Kg	9.8	9.8	U
o-Terphenyl (S)	%	122	66-136	
Nonatricontane-C39 (S)	%	92	36-132	

QC Batch: EXTj/2961 Analysis Method: SW-846 8082A
QC Batch Method: SW-846 3550B Prepared: 03/01/2019 12:00
Associated Lab Samples: J1902420001

METHOD BLANK: 3014013

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
Aroclor 1016 (PCB-1016)	ug/Kg	6.0	6.0	U
Aroclor 1221 (PCB-1221)	ug/Kg	12	12	U
Aroclor 1232 (PCB-1232)	ug/Kg	28	28	U
Aroclor 1242 (PCB-1242)	ug/Kg	7.7	7.7	U
Aroclor 1248 (PCB-1248)	ug/Kg	21	21	U
Aroclor 1254 (PCB-1254)	ug/Kg	14	14	U
Aroclor 1260 (PCB-1260)	ug/Kg	6.9	6.9	U
Tetrachloro-m-xylene (S)	%	109	44-130	
Decachlorobiphenyl (S)	%	95	61-147	

QC Batch: EXTj/2965 Analysis Method: SW-846 8270C
QC Batch Method: SW-846 3550B Prepared: 03/01/2019 12:00

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QUALITY CONTROL DATA

Workorder: J1902420 FIND Offload Site

Associated Lab Samples: J1902420001

METHOD BLANK: 3014603

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
Phenol	mg/Kg	0.11	0.11	U
2-Chlorophenol	mg/Kg	0.090	0.090	U
2-Nitrophenol	mg/Kg	0.064	0.064	U
2,4-Dimethylphenol	mg/Kg	0.098	0.098	U
2,4-Dichlorophenol	mg/Kg	0.062	0.062	U
4-Chloro-3-methylphenol	mg/Kg	0.086	0.086	U
2,4,6-Trichlorophenol	mg/Kg	0.087	0.087	U
2,4-Dinitrophenol	mg/Kg	0.061	0.061	U
4-Nitrophenol	mg/Kg	0.14	0.14	U
2-Methyl-4,6-dinitrophenol	mg/Kg	0.067	0.067	U
Pentachlorophenol	mg/Kg	0.058	0.058	U
N-Nitrosodimethylamine	mg/Kg	0.12	0.12	U
bis(2-Chloroethyl)Ether	mg/Kg	0.099	0.099	U
1,3-Dichlorobenzene	mg/Kg	0.095	0.095	U
1,4-Dichlorobenzene	mg/Kg	0.093	0.093	U
1,2-Dichlorobenzene	mg/Kg	0.098	0.098	U
bis(2-Chloroisopropyl) Ether	mg/Kg	0.10	0.10	U
N-Nitrosodi-n-propylamine	mg/Kg	0.026	0.026	U
Hexachloroethane	mg/Kg	0.095	0.095	U
Nitrobenzene	mg/Kg	0.13	0.13	U
Isophorone	mg/Kg	0.090	0.090	U
bis(2-Chloroethoxy)methane	mg/Kg	0.12	0.12	U
1,2,4-Trichlorobenzene	mg/Kg	0.058	0.058	U
Naphthalene	mg/Kg	0.0024	0.0024	U
Hexachlorobutadiene	mg/Kg	0.056	0.056	U
2-Methylnaphthalene	mg/Kg	0.0023	0.0023	U
1-Methylnaphthalene	mg/Kg	0.0023	0.0023	U
Hexachlorocyclopentadiene	mg/Kg	0.055	0.055	U
2-Chloronaphthalene	mg/Kg	0.11	0.11	U
Dimethyl phthalate	mg/Kg	0.10	0.10	U
2,6-Dinitrotoluene (2,6-DNT)	mg/Kg	0.078	0.078	U
Acenaphthylene	mg/Kg	0.0034	0.0034	U
Acenaphthene	mg/Kg	0.0026	0.0026	U
2,4-Dinitrotoluene (2,4-DNT)	mg/Kg	0.077	0.077	U
Diethyl phthalate	mg/Kg	0.12	0.12	U
Fluorene	mg/Kg	0.0029	0.0029	U
4-Chlorophenyl Phenyl Ether	mg/Kg	0.093	0.093	U
1,2-Diphenylhydrazine	mg/Kg	0.14	0.14	U
4-Bromophenyl Phenyl Ether	mg/Kg	0.080	0.080	U
Hexachlorobenzene	mg/Kg	0.082	0.082	U
Phenanthrene	mg/Kg	0.0031	0.0031	U
Anthracene	mg/Kg	0.0035	0.0035	U

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QUALITY CONTROL DATA

Workorder: J1902420 FIND Offload Site

METHOD BLANK: 3014603

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Di-n-Butyl Phthalate	mg/Kg	0.16	0.16	U
Fluoranthene	mg/Kg	0.0038	0.0038	U
Benzidine	mg/Kg	0.035	0.035	U
Pyrene	mg/Kg	0.0041	0.0041	U
Butyl benzyl phthalate	mg/Kg	0.14	0.14	U
Benzo[a]anthracene	mg/Kg	0.0041	0.0041	U
3,3`-Dichlorobenzidine	mg/Kg	0.091	0.091	U
Chrysene	mg/Kg	0.0043	0.0043	U
bis(2-Ethylhexyl) phthalate	mg/Kg	0.13	0.13	U
Di-n-octyl Phthalate	mg/Kg	0.13	0.13	U
Benzo[b]fluoranthene	mg/Kg	0.0042	0.0042	U
Benzo[k]fluoranthene	mg/Kg	0.0040	0.0040	U
Benzo[a]pyrene	mg/Kg	0.0058	0.0058	U
Indeno(1,2,3-cd)pyrene	mg/Kg	0.0038	0.0038	U
Dibenzo[a,h]anthracene	mg/Kg	0.0034	0.0034	U
Benzo[g,h,i]perylene	mg/Kg	0.0047	0.0047	U
N-Nitrosodiphenylamine	mg/Kg	0.088	0.088	U
2-Fluorophenol (S)	%	87	35-115	
Phenol-d6 (S)	%	86	33-122	
Nitrobenzene-d5 (S)	%	77	37-122	
2-Fluorobiphenyl (S)	%	79	44-115	
2,4,6-Tribromophenol (S)	%	82	39-132	
p-Terphenyl-d14 (S)	%	87	54-127	

QUALITY CONTROL DATA QUALIFIERS

Workorder: J1902420 FIND Offload Site

QUALITY CONTROL PARAMETER QUALIFIERS

U The compound was analyzed for but not detected.

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

[1] This compound's response exceeds the response of the highest standard in the initial calibration range of the instrument .

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: J1902420 FIND Offload Site

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
J1902420001	DU-3_4	SW-846 7471A	DGMj/2950	SW-846 7471A	CVAj/1422
J1902420001	DU-3_4	SW-846 3050B	DGMj/2959	SW-846 6010	ICPj/1757
J1902420001	DU-3_4			SM 2540G	WCAj/4290
J1902420001	DU-3_4	SW-846 5035	MSVj/3116	SW-846 8260B	MSVj/3117
J1902420001	DU-3_4	FL-PRO	EXTj/2958	FL-PRO	GCSj/2412
J1902420001	DU-3_4	SW-846 3550B	EXTj/2961	SW-846 8082A	GCSj/2426
J1902420001	DU-3_4	SW-846 3550B	EXTj/2965	SW-846 8270C	MSSj/1795

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☐ Miramar: 10200 USA Today Way, Miramar, FL 33025 • 954.8
☐ Tallahassee: 1288 Cedar Center Drive, Tallahassee, FL 32
☐ Tampa: 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.6

97

* J 1 9 0 2 4 2 0 *

Client Name:	Taylor Engineering
Address:	10151 Deerwood Park Blvd, Bldg 300, Suite 300
	Jacksonville, FL 32256
Phone:	904-731-7040
FAX:	
Contact:	Bill Aley
Sampled By:	WW
Turn Around Time:	■ STANDARD ☐ RUSH
Page	1 of 1

Project Name: FIND Offload Site

P.O. Number/Project Number:

Project Location:

FDEP Facility No:

Project Name and Address:

Special Instructions: Jax Profile: 35369

☐ ADaPT ☐ EQuIS

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	BOTTLE SIZE & TYPE	ANALYSIS REQUIRED: 8260 PP	8270 PP	8082 PCBs	FL-PRO	6010/7471 8 RCRA Metals+Boron						LABORATORY I.D. NUMBER
DU-3/4	5. Dike Composite	✓	2/22	10:30	SO	5			X	X	X	X	X						001

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge

Preservation Code: I = ice H=(HCl) S = (H_2SO_4) N = (HNO_3) T = (Sodium Thiosulfate)

Received on Ice ☑ Yes ☐ No ☑ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temperature when received Y (in degrees celcius)

DCN: AD-051 Form last revised 08/18/2014

Device used for measuring Temp by unique identifier (circle IR temp gun used) T: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V

	Relinquished by:	Date	Time	Received by:	Date	Time
1	Ashley Mata	2-22-19	13:49		2-22-19	13:49
2						
3						
4						

FOR DRINKING WATER USE:

(When PWS Information not otherwise supplied) PWS ID:

Contact Person: Phone :

Supplier of Water:

Site-Address:

Advanced Environmental Labs Inc

Client: Taylor Eng. Project name: FIND Offload Site

Date/Time Rcvd: 2-22-19 13:49 Log-In request number: J1902420

Received by: BA Completed by: BA

Cooler/Shipping Information:

Courier: ☐ AEL ☑ Client ☐ UPS ☐ Blue Streak ☐ FedEx ☐ AES ☐ ASAP ☐ Other (describe): _____

Type: ☑ Cooler ☐ Box ☐ Other (describe) _____

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

Cooler ID					
Temp (°C)	4°C				
Temp taken from	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler
Temp measured with	☑ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):

Other Information:

Any discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact?			✓
2. Were custody papers properly included with samples?	✓		
3. Were custody papers properly filled out (ink, signed, match labels)?	✓		
4. Did all bottles arrive in good condition (unbroken)?	✓		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	✓		
6. Did the sample labels agree with the chain of custody?	✓		
7. Were correct bottles used for the tests indicated?	✓		
8. Were proper sample preservation techniques indicated on the label?	✓		
9. Were samples received within holding times?	✓		
10. Were all VOA vials free of the presence of air bubbles?			✓
11. Have all Soil VOA Vials and Encores been placed in a freezer within 48 hours of collection?	✓		
12. Were samples in direct contact with wet ice? If "No," check one: ☐ NO ICE ☐ BLUE ICE	✓		
13. Was the cooler temperature less than 6°C?	✓		
14. Where pH preservation is required, are sample pHs checked and any anomalies recorded by Sample control? Are all <2 or >10? Note: VOA samples are checked by laboratory analysts.			✓
15. Was sufficient sample volume provided to perform all tests?	✓		
16. If for Bacteriological testing, were containers supplied by AEL? (See QA officer if answer is no)			✓
17. Were all sample containers provided by AEL? (Other than Bacteriological)	✓		
18. Were samples accepted into the laboratory?	✓		
19. When necessary to split samples into other bottles, is it noted in the comments?	✓		

Comments: (Note all sample(s) and container (s)" with a "No" checklist response in this comment section)

Client broke one of the DI vials.

DCN: AD-D048
Eff date 2/3/10, Last rev 9/6/16

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Project No.: J1902420

Client Name: Taylor Engineering

ProjectID: FIND Offload Site

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 8082A

Preparation: SW-846 3550B

IV. Preparation

All samples in batch GCSj:2426 were Florisil cleaned as per EPA method 3620C.

V. Analysis

A. Calibration: The upper control criterion was exceeded for Aroclor 1260 (PCB-1260) in one or more Continuing Calibration Verification (CCV) standards for analytical batch GCSj:2426, indicating increased sensitivity. The client samples reported in this batch that did not contain the analyte in question were reported. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.

B. Blanks: All acceptance criteria were met.

C. Surrogates: All acceptance criteria were met.

D. Spikes: The control criteria for matrix spike and matrix spike duplicate recoveries of Aroclor 1260 (PCB-1260) for S1900449001 are not applicable. The analyte concentration in the sample was greater than 4 times the added spike concentrations, preventing accurate evaluation of the spike recovery. No further corrective action was required.

The results for Aroclor 1260 (PCB-1260) have been estimated in the matrix spike and matrix spike duplicate for S1900449001 because the concentration exceeded the instrument calibration range. The results were reported within the instrument calibration range in the parent sample. The results in the Matrix QC are qualified accordingly.

E. Internal Standard:

F. Samples: Samples S1900449001 thru S1900449015 were acid cleaned as per EPA method 3665a to remove matrix interferences.

G. Other:

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Project No.: J1902420

Client Name: Taylor Engineering

ProjectID: FIND Offload Site

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 8270C

Preparation: SW-846 3550B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: The upper control criterion was exceeded for a couple of analytes in the Continuing Calibration Verification (CCV) standards for analytical batch 1795, indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.

B. Blanks: All acceptance criteria were met.

C. Surrogates: All acceptance criteria were met.

D. Spikes: All acceptance criteria were met.

E. Internal Standard: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

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Project No.: J1902420

Client Name: Taylor Engineering

ProjectID: FIND Offload Site

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 8260B

Preparation: SW-846 5035

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Surrogates: The upper control criterion was exceeded for the following surrogates in G1901479006: Toluene-d8 and Bromofluorobenzene. No target analytes associated to the surrogates were detected in the sample. The error associated with an elevated recovery equates to a high bias. The quality of the sample data is not significantly affected. No further corrective action was required.

D. Spikes: The relative percent difference (RPD) for Xylene-mp between the Laboratory Control Sample (LCS) and the Laboratory Control Sample Duplicate (LCSD) was outside control criteria due to relatively higher spike recovery in 3011131 in comparison with 3011132. Spike recoveries in the LCS and LCSD were within acceptable limits, indicating the analytical batch was in control. No further corrective action was required.

The matrix spike (MS) recovery of Vinyl Chloride for J1902420001 was outside control criteria. Recoveries in the Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The affected sample is J4 qualified to indicate matrix interference.

E. Internal Standard: All acceptance criteria were met.

F. Samples: The following samples were analyzed at dilution due to high non-target background components: G1901479004. This was necessary to allow for accurate detection of all internal standards, surrogates and analytes.

G. Other:

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July 18, 2018

Bill Aley
Taylor Engineering
10151 Deerwood Park Blvd.
Bldg. 300, Suite 300
Jacksonville, FL 32256

RE: Workorder: J1807540 FIND Offload Site

Dear Bill Aley:

Enclosed are the analytical results for sample(s) received by the laboratory on Tuesday, July 10, 2018. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

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

Sincerely,

Craig Myers - Client Services Manager
CMyers@AELLab.com

Enclosures

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SAMPLE SUMMARY

Workorder: J1807540 FIND Offload Site

Lab ID	Sample ID	Matrix	Date Collected	Date Received
J1807540001	DU-3/4-1	Soil	7/9/2018 11:30	7/10/2018 09:20
J1807540002	DU-3/4-2	Soil	7/9/2018 11:45	7/10/2018 09:20
J1807540003	DU-2-1	Soil	7/9/2018 12:45	7/10/2018 09:20
J1807540004	DU-2-3	Soil	7/9/2018 13:05	7/10/2018 09:20

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ANALYTICAL RESULTS

Workorder: J1807540 FIND Offload Site

Lab ID: **J1807540001** Date Received: 07/10/18 09:20 Matrix: Soil

Sample ID: **DU-3/4-1** Date Collected: 07/09/18 11:30

Results for sample J1807540001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils	Preparation Method: SW-846 3050B Analytical Method: SW-846 6010							
Arsenic	**0.67**	**U**	**mg/Kg**	**1**	2.7	0.67	7/11/2018 22:36	J
Barium	**2.4**		**mg/Kg**	**1**	0.13	0.049	7/11/2018 22:36	J
Boron	**0.82**	**U**	**mg/Kg**	**1**	1.7	0.82	7/11/2018 22:36	J
Cadmium	**0.042**	**U**	**mg/Kg**	**1**	0.20	0.042	7/11/2018 22:36	J
Chromium	**1.5**		**mg/Kg**	**1**	0.20	0.093	7/11/2018 22:36	J
Lead	**0.63**	**I**	**mg/Kg**	**1**	0.67	0.20	7/11/2018 22:36	J
Selenium	**0.78**	**U**	**mg/Kg**	**1**	1.7	0.78	7/11/2018 22:36	J
Silver	**0.24**	**U**	**mg/Kg**	**1**	0.67	0.24	7/13/2018 16:07	J
Analysis Desc: SW846 7471A Analysis, Soil	Preparation Method: SW-846 7471A Analytical Method: SW-846 7471A							
Mercury	**0.0091**		**mg/Kg**	**1**	0.0066	0.00092	7/11/2018 15:39	J
SEMIVOLATILES								
Analysis Desc: FL-PRO Analysis, Soil	Preparation Method: FL-PRO Analytical Method: FL-PRO							
TPH	**29**		**mg/Kg**	**1**	23	13	7/14/2018 02:14	J
o-Terphenyl (S)	**76**		**%**	**1**	62-109		7/14/2018 02:14	
Nonatricontane-C39 (S)	**69**		**%**	**1**	60-118		7/14/2018 02:14	
Analysis Desc: 8082A PCB Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8082A							
Aroclor 1016 (PCB-1016)	**8.1**	**U**	**ug/Kg**	**1**	44	8.1	7/16/2018 18:16	J
Aroclor 1221 (PCB-1221)	**16**	**U**	**ug/Kg**	**1**	44	16	7/16/2018 18:16	J
Aroclor 1232 (PCB-1232)	**38**	**U**	**ug/Kg**	**1**	44	38	7/16/2018 18:16	J
Aroclor 1242 (PCB-1242)	**10**	**U**	**ug/Kg**	**1**	44	10	7/16/2018 18:16	J
Aroclor 1248 (PCB-1248)	**27**	**U**	**ug/Kg**	**1**	44	27	7/16/2018 18:16	J
Aroclor 1254 (PCB-1254)	**18**	**U**	**ug/Kg**	**1**	44	18	7/16/2018 18:16	J
Aroclor 1260 (PCB-1260)	**9.2**	**U**	**ug/Kg**	**1**	44	9.2	7/16/2018 18:16	J
Tetrachloro-m-xylene (S)	**129**		**%**	**1**	44-130		7/16/2018 18:16	
Decachlorobiphenyl (S)	**132**		**%**	**1**	61-147		7/16/2018 18:16	
Analysis Desc: 8270C Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8270C							
1,2,4-Trichlorobenzene	**0.080**	**U**	**mg/Kg**	**1**	0.23	0.080	7/16/2018 23:43	J

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ANALYTICAL RESULTS

Workorder: J1807540 FIND Offload Site

Lab ID: **J1807540001** Date Received: 07/10/18 09:20 Matrix: Soil

Sample ID: **DU-3/4-1** Date Collected: 07/09/18 11:30

Results for sample J1807540001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,2-Dichlorobenzene	**0.13**	**U**	**mg/Kg**	**1**	0.23	0.13	7/16/2018 23:43	J
1,2-Diphenylhydrazine	**0.20**	**U**	**mg/Kg**	**1**	0.23	0.20	7/16/2018 23:43	J
1,3-Dichlorobenzene	**0.13**	**U**	**mg/Kg**	**1**	0.23	0.13	7/16/2018 23:43	J
1,4-Dichlorobenzene	**0.13**	**U**	**mg/Kg**	**1**	0.23	0.13	7/16/2018 23:43	J
1-Methylnaphthalene	**0.0032**	**U**	**mg/Kg**	**1**	0.0091	0.0032	7/16/2018 23:43	J
2,4,6-Trichlorophenol	**0.12**	**U**	**mg/Kg**	**1**	0.23	0.12	7/16/2018 23:43	J
2,4-Dichlorophenol	**0.084**	**U**	**mg/Kg**	**1**	0.23	0.084	7/16/2018 23:43	J
2,4-Dimethylphenol	**0.13**	**U**	**mg/Kg**	**1**	0.23	0.13	7/16/2018 23:43	J
2,4-Dinitrophenol	**0.083**	**U**	**mg/Kg**	**1**	0.46	0.083	7/16/2018 23:43	J
2,4-Dinitrotoluene (2,4-DNT)	**0.11**	**U**	**mg/Kg**	**1**	0.23	0.11	7/16/2018 23:43	J
2,6-Dinitrotoluene (2,6-DNT)	**0.11**	**U**	**mg/Kg**	**1**	0.23	0.11	7/16/2018 23:43	J
2-Chloronaphthalene	**0.15**	**U**	**mg/Kg**	**1**	0.23	0.15	7/16/2018 23:43	J
2-Chlorophenol	**0.12**	**U**	**mg/Kg**	**1**	0.23	0.12	7/16/2018 23:43	J
2-Methyl-4,6-dinitrophenol	**0.092**	**U**	**mg/Kg**	**1**	0.46	0.092	7/16/2018 23:43	J
2-Methylnaphthalene	**0.0031**	**U**	**mg/Kg**	**1**	0.0091	0.0031	7/16/2018 23:43	J
2-Nitrophenol	**0.087**	**U**	**mg/Kg**	**1**	0.23	0.087	7/16/2018 23:43	J
3,3`-Dichlorobenzidine	**0.13**	**U**	**mg/Kg**	**1**	0.23	0.13	7/16/2018 23:43	J
4-Bromophenyl Phenyl Ether	**0.11**	**U**	**mg/Kg**	**1**	0.23	0.11	7/16/2018 23:43	J
4-Chloro-3-methylphenol	**0.12**	**U**	**mg/Kg**	**1**	0.23	0.12	7/16/2018 23:43	J
4-Chlorophenyl Phenyl Ether	**0.13**	**U**	**mg/Kg**	**1**	0.23	0.13	7/16/2018 23:43	J
4-Nitrophenol	**0.20**	**U**	**mg/Kg**	**1**	0.46	0.20	7/16/2018 23:43	J
Acenaphthene	**0.0035**	**U**	**mg/Kg**	**1**	0.0091	0.0035	7/16/2018 23:43	J
Acenaphthylene	**0.0047**	**U**	**mg/Kg**	**1**	0.0091	0.0047	7/16/2018 23:43	J
Anthracene	**0.0048**	**U**	**mg/Kg**	**1**	0.0091	0.0048	7/16/2018 23:43	J
Benzidine	**0.049**	**U**	**mg/Kg**	**1**	0.23	0.049	7/16/2018 23:43	J
Benzo[a]anthracene	**0.0057**	**U**	**mg/Kg**	**1**	0.0091	0.0057	7/16/2018 23:43	J
Benzo[a]pyrene	**0.0080**	**U**	**mg/Kg**	**1**	0.0091	0.0080	7/16/2018 23:43	J
Benzo[b]fluoranthene	**0.0058**	**U**	**mg/Kg**	**1**	0.0091	0.0058	7/16/2018 23:43	J
Benzo[g,h,i]perylene	**0.0065**	**U**	**mg/Kg**	**1**	0.0091	0.0065	7/16/2018 23:43	J
Benzo[k]fluoranthene	**0.0055**	**U**	**mg/Kg**	**1**	0.0091	0.0055	7/16/2018 23:43	J
Butyl benzyl phthalate	**0.19**	**U**	**mg/Kg**	**1**	0.23	0.19	7/16/2018 23:43	J
Chrysene	**0.0060**	**U**	**mg/Kg**	**1**	0.0091	0.0060	7/16/2018 23:43	J
Di-n-Butyl Phthalate	**0.22**	**U**	**mg/Kg**	**1**	0.23	0.22	7/16/2018 23:43	J
Di-n-octyl Phthalate	**0.19**	**U**	**mg/Kg**	**1**	0.23	0.19	7/16/2018 23:43	J
Dibenzo[a,h]anthracene	**0.0047**	**U**	**mg/Kg**	**1**	0.0091	0.0047	7/16/2018 23:43	J
Diethyl phthalate	**0.17**	**U**	**mg/Kg**	**1**	0.23	0.17	7/16/2018 23:43	J
Dimethyl phthalate	**0.14**	**U**	**mg/Kg**	**1**	0.46	0.14	7/16/2018 23:43	J
Fluoranthene	**0.0052**	**U**	**mg/Kg**	**1**	0.0091	0.0052	7/16/2018 23:43	J
Fluorene	**0.0040**	**U**	**mg/Kg**	**1**	0.0091	0.0040	7/16/2018 23:43	J
Hexachlorobenzene	**0.11**	**U**	**mg/Kg**	**1**	0.23	0.11	7/16/2018 23:43	J

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ANALYTICAL RESULTS

Workorder: J1807540 FIND Offload Site

Lab ID: **J1807540001** Date Received: 07/10/18 09:20 Matrix: Soil

Sample ID: **DU-3/4-1** Date Collected: 07/09/18 11:30

Results for sample J1807540001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Hexachlorobutadiene	**0.077**	**U**	**mg/Kg**	**1**	0.23	0.077	7/16/2018 23:43	J
Hexachlorocyclopentadiene	**0.076**	**U**	**mg/Kg**	**1**	0.23	0.076	7/16/2018 23:43	J
Hexachloroethane	**0.13**	**U**	**mg/Kg**	**1**	0.23	0.13	7/16/2018 23:43	J
Indeno(1,2,3-cd)pyrene	**0.0052**	**U**	**mg/Kg**	**1**	0.0091	0.0052	7/16/2018 23:43	J
Isophorone	**0.12**	**U**	**mg/Kg**	**1**	0.23	0.12	7/16/2018 23:43	J
N-Nitrosodi-n-propylamine	**0.036**	**U**	**mg/Kg**	**1**	0.23	0.036	7/16/2018 23:43	J
N-Nitrosodimethylamine	**0.16**	**U**	**mg/Kg**	**1**	0.23	0.16	7/16/2018 23:43	J
N-Nitrosodiphenylamine	**0.12**	**U**	**mg/Kg**	**1**	0.46	0.12	7/16/2018 23:43	J
Naphthalene	**0.0033**	**U**	**mg/Kg**	**1**	0.0091	0.0033	7/16/2018 23:43	J
Nitrobenzene	**0.19**	**U**	**mg/Kg**	**1**	0.23	0.19	7/16/2018 23:43	J
Pentachlorophenol	**0.079**	**U**	**mg/Kg**	**1**	0.23	0.079	7/16/2018 23:43	J
Phenanthrene	**0.0042**	**U**	**mg/Kg**	**1**	0.0091	0.0042	7/16/2018 23:43	J
Phenol	**0.16**	**U**	**mg/Kg**	**1**	0.23	0.16	7/16/2018 23:43	J
Pyrene	**0.0056**	**U**	**mg/Kg**	**1**	0.0091	0.0056	7/16/2018 23:43	J
bis(2-Chloroethoxy)methane	**0.17**	**U**	**mg/Kg**	**1**	0.23	0.17	7/16/2018 23:43	J
bis(2-Chloroethyl)Ether	**0.14**	**U**	**mg/Kg**	**1**	0.23	0.14	7/16/2018 23:43	J
bis(2-Chloroisopropyl) Ether	**0.14**	**U**	**mg/Kg**	**1**	0.23	0.14	7/16/2018 23:43	J
bis(2-Ethylhexyl) phthalate	**0.18**	**U**	**mg/Kg**	**1**	0.23	0.18	7/16/2018 23:43	J
2-Fluorophenol (S)	**85**		**%**	**1**	35-115		7/16/2018 23:43	
Phenol-d6 (S)	**105**		**%**	**1**	33-122		7/16/2018 23:43	
Nitrobenzene-d5 (S)	**63**		**%**	**1**	37-122		7/16/2018 23:43	
2-Fluorobiphenyl (S)	**72**		**%**	**1**	44-115		7/16/2018 23:43	
2,4,6-Tribromophenol (S)	**90**		**%**	**1**	39-132		7/16/2018 23:43	
p-Terphenyl-d14 (S)	**86**		**%**	**1**	54-127		7/16/2018 23:43	

VOLATILES

Analysis Desc: 8260B Analysis, Soil — Preparation Method: SW-846 5035; Analytical Method: SW-846 8260B

1,1,1-Trichloroethane	**2.4**	**U**	**ug/Kg**	**1**	5.3	2.4	7/12/2018 15:18	J
1,1,2,2-Tetrachloroethane	**3.4**	**U**	**ug/Kg**	**1**	5.3	3.4	7/12/2018 15:18	J
1,1,2-Trichloroethane	**2.3**	**U**	**ug/Kg**	**1**	5.3	2.3	7/12/2018 15:18	J
1,1-Dichloroethane	**2.2**	**U**	**ug/Kg**	**1**	5.3	2.2	7/12/2018 15:18	J
1,1-Dichloroethylene	**2.1**	**U,J4**	**ug/Kg**	**1**	5.3	2.1	7/12/2018 15:18	J
1,2-Dichlorobenzene	**2.3**	**U**	**ug/Kg**	**1**	5.3	2.3	7/12/2018 15:18	J
1,2-Dichloroethane	**2.5**	**U**	**ug/Kg**	**1**	5.3	2.5	7/12/2018 15:18	J
1,2-Dichloropropane	**2.2**	**U**	**ug/Kg**	**1**	5.3	2.2	7/12/2018 15:18	J
1,3-Dichlorobenzene	**2.2**	**U**	**ug/Kg**	**1**	5.3	2.2	7/12/2018 15:18	J
1,4-Dichlorobenzene	**2.0**	**U**	**ug/Kg**	**1**	5.3	2.0	7/12/2018 15:18	J
2-Chloroethyl Vinyl Ether	**1.3**	**U**	**ug/Kg**	**1**	8.8	1.3	7/12/2018 15:18	J

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ANALYTICAL RESULTS

Workorder: J1807540 FIND Offload Site

Lab ID: **J1807540001** Date Received: 07/10/18 09:20 Matrix: Soil

Sample ID: **DU-3/4-1** Date Collected: 07/09/18 11:30

Results for sample J1807540001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Acrolein (Propenal)	**11**	**U**	**ug/Kg**	**1**	26	11	7/12/2018 15:18	J
Acrylonitrile	**9.0**	**U**	**ug/Kg**	**1**	26	9.0	7/12/2018 15:18	J
Benzene	**2.1**	**U**	**ug/Kg**	**1**	5.3	2.1	7/12/2018 15:18	J
Bromodichloromethane	**2.3**	**U**	**ug/Kg**	**1**	5.3	2.3	7/12/2018 15:18	J
Bromoform	**3.4**	**U**	**ug/Kg**	**1**	8.8	3.4	7/12/2018 15:18	J
Bromomethane	**2.3**	**U**	**ug/Kg**	**1**	5.3	2.3	7/12/2018 15:18	J
Carbon Tetrachloride	**2.5**	**U**	**ug/Kg**	**1**	5.3	2.5	7/12/2018 15:18	J
Chlorobenzene	**2.5**	**U**	**ug/Kg**	**1**	5.3	2.5	7/12/2018 15:18	J
Chloroethane	**1.8**	**U**	**ug/Kg**	**1**	5.3	1.8	7/12/2018 15:18	J
Chloroform	**2.3**	**U**	**ug/Kg**	**1**	5.3	2.3	7/12/2018 15:18	J
Chloromethane	**1.8**	**U**	**ug/Kg**	**1**	5.3	1.8	7/12/2018 15:18	J
Dibromochloromethane	**2.3**	**U**	**ug/Kg**	**1**	5.3	2.3	7/12/2018 15:18	J
Dichlorodifluoromethane	**1.5**	**U**	**ug/Kg**	**1**	5.3	1.5	7/12/2018 15:18	J
Ethylbenzene	**1.9**	**U**	**ug/Kg**	**1**	5.3	1.9	7/12/2018 15:18	J
Methyl tert-butyl Ether (MTBE)	**2.0**	**U**	**ug/Kg**	**1**	5.3	2.0	7/12/2018 15:18	J
Methylene Chloride	**4.9**	**U**	**ug/Kg**	**1**	18	4.9	7/12/2018 15:18	J
Tetrachloroethylene (PCE)	**2.1**	**U**	**ug/Kg**	**1**	5.3	2.1	7/12/2018 15:18	J
Toluene	**2.4**	**U**	**ug/Kg**	**1**	5.3	2.4	7/12/2018 15:18	J
Trichloroethene	**1.8**	**U**	**ug/Kg**	**1**	5.3	1.8	7/12/2018 15:18	J
Trichlorofluoromethane	**1.6**	**U**	**ug/Kg**	**1**	5.3	1.6	7/12/2018 15:18	J
Vinyl Chloride	**2.1**	**U,J4**	**ug/Kg**	**1**	5.3	2.1	7/12/2018 15:18	J
Xylene (Total)	**6.7**	**U**	**ug/Kg**	**1**	16	6.7	7/12/2018 15:18	J
cis-1,2-Dichloroethylene	**2.5**	**U**	**ug/Kg**	**1**	5.3	2.5	7/12/2018 15:18	J
cis-1,3-Dichloropropene	**1.9**	**U**	**ug/Kg**	**1**	5.3	1.9	7/12/2018 15:18	J
trans-1,2-Dichloroethylene	**1.7**	**U**	**ug/Kg**	**1**	5.3	1.7	7/12/2018 15:18	J
trans-1,3-Dichloropropylene	**1.3**	**U**	**ug/Kg**	**1**	5.3	1.3	7/12/2018 15:18	J
1,2-Dichloroethane-d4 (S)	**96**		**%**	**1**	69-134		7/12/2018 15:18	
Toluene-d8 (S)	**96**		**%**	**1**	72-122		7/12/2018 15:18	
Bromofluorobenzene (S)	**110**		**%**	**1**	79-126		7/12/2018 15:18	

VOLATILES

Analysis Desc: Percent Solids,SM2540G,Soil	Analytical Method: SM 2540G						
Percent Moisture	**27**		**%**	**1**		7/11/2018 08:45	J

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ANALYTICAL RESULTS

Workorder: J1807540 FIND Offload Site

Lab ID: **J1807540002** Date Received: 07/10/18 09:20 Matrix: Soil

Sample ID: **DU-3/4-2** Date Collected: 07/09/18 11:45

Results for sample J1807540002 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils	Preparation Method: SW-846 3050B Analytical Method: SW-846 6010							
Arsenic	**0.51**	**U**	**mg/Kg**	**1**	2.0	0.51	7/11/2018 22:39	J
Barium	**2.0**		**mg/Kg**	**1**	0.10	0.037	7/11/2018 22:39	J
Boron	**0.62**	**U**	**mg/Kg**	**1**	1.3	0.62	7/11/2018 22:39	J
Cadmium	**0.039**	**I**	**mg/Kg**	**1**	0.15	0.032	7/11/2018 22:39	J
Chromium	**1.3**		**mg/Kg**	**1**	0.15	0.071	7/11/2018 22:39	J
Lead	**0.47**	**I**	**mg/Kg**	**1**	0.51	0.15	7/11/2018 22:39	J
Selenium	**0.59**	**U**	**mg/Kg**	**1**	1.3	0.59	7/11/2018 22:39	J
Silver	**0.18**	**U**	**mg/Kg**	**1**	0.51	0.18	7/13/2018 16:11	J
Analysis Desc: SW846 7471A Analysis, Soil	Preparation Method: SW-846 7471A Analytical Method: SW-846 7471A							
Mercury	**0.00070**	**U**	**mg/Kg**	**1**	0.0050	0.00070	7/11/2018 15:42	J
SEMIVOLATILES								
Analysis Desc: FL-PRO Analysis, Soil	Preparation Method: FL-PRO Analytical Method: FL-PRO							
TPH	**15**	**I**	**mg/Kg**	**1**	18	10	7/16/2018 16:22	J
o-Terphenyl (S)	**77**		**%**	**1**	62-109		7/16/2018 16:22	
Nonatricontane-C39 (S)	**73**		**%**	**1**	60-118		7/16/2018 16:22	
Analysis Desc: 8082A PCB Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8082A							
Aroclor 1016 (PCB-1016)	**6.2**	**U**	**ug/Kg**	**1**	34	6.2	7/16/2018 18:37	J
Aroclor 1221 (PCB-1221)	**12**	**U**	**ug/Kg**	**1**	34	12	7/16/2018 18:37	J
Aroclor 1232 (PCB-1232)	**29**	**U**	**ug/Kg**	**1**	34	29	7/16/2018 18:37	J
Aroclor 1242 (PCB-1242)	**8.0**	**U**	**ug/Kg**	**1**	34	8.0	7/16/2018 18:37	J
Aroclor 1248 (PCB-1248)	**21**	**U**	**ug/Kg**	**1**	34	21	7/16/2018 18:37	J
Aroclor 1254 (PCB-1254)	**14**	**U**	**ug/Kg**	**1**	34	14	7/16/2018 18:37	J
Aroclor 1260 (PCB-1260)	**7.1**	**U**	**ug/Kg**	**1**	34	7.1	7/16/2018 18:37	J
Tetrachloro-m-xylene (S)	**124**		**%**	**1**	44-130		7/16/2018 18:37	
Decachlorobiphenyl (S)	**127**		**%**	**1**	61-147		7/16/2018 18:37	
Analysis Desc: 8270C Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8270C							
1,2,4-Trichlorobenzene	**0.061**	**U**	**mg/Kg**	**1**	0.17	0.061	7/17/2018 00:18	J

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ANALYTICAL RESULTS

Workorder: J1807540 FIND Offload Site

Lab ID: **J1807540002** Date Received: 07/10/18 09:20 Matrix: Soil

Sample ID: **DU-3/4-2** Date Collected: 07/09/18 11:45

Results for sample J1807540002 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,2-Dichlorobenzene	**0.10**	**U**	**mg/Kg**	**1**	0.17	0.10	7/17/2018 00:18	J
1,2-Diphenylhydrazine	**0.15**	**U**	**mg/Kg**	**1**	0.17	0.15	7/17/2018 00:18	J
1,3-Dichlorobenzene	**0.10**	**U**	**mg/Kg**	**1**	0.17	0.10	7/17/2018 00:18	J
1,4-Dichlorobenzene	**0.098**	**U**	**mg/Kg**	**1**	0.17	0.098	7/17/2018 00:18	J
1-Methylnaphthalene	**0.0025**	**U**	**mg/Kg**	**1**	0.0070	0.0025	7/17/2018 00:18	J
2,4,6-Trichlorophenol	**0.092**	**U**	**mg/Kg**	**1**	0.17	0.092	7/17/2018 00:18	J
2,4-Dichlorophenol	**0.065**	**U**	**mg/Kg**	**1**	0.17	0.065	7/17/2018 00:18	J
2,4-Dimethylphenol	**0.10**	**U**	**mg/Kg**	**1**	0.17	0.10	7/17/2018 00:18	J
2,4-Dinitrophenol	**0.064**	**U**	**mg/Kg**	**1**	0.35	0.064	7/17/2018 00:18	J
2,4-Dinitrotoluene (2,4-DNT)	**0.081**	**U**	**mg/Kg**	**1**	0.17	0.081	7/17/2018 00:18	J
2,6-Dinitrotoluene (2,6-DNT)	**0.082**	**U**	**mg/Kg**	**1**	0.17	0.082	7/17/2018 00:18	J
2-Chloronaphthalene	**0.12**	**U**	**mg/Kg**	**1**	0.17	0.12	7/17/2018 00:18	J
2-Chlorophenol	**0.095**	**U**	**mg/Kg**	**1**	0.17	0.095	7/17/2018 00:18	J
2-Methyl-4,6-dinitrophenol	**0.071**	**U**	**mg/Kg**	**1**	0.35	0.071	7/17/2018 00:18	J
2-Methylnaphthalene	**0.0024**	**U**	**mg/Kg**	**1**	0.0070	0.0024	7/17/2018 00:18	J
2-Nitrophenol	**0.067**	**U**	**mg/Kg**	**1**	0.17	0.067	7/17/2018 00:18	J
3,3`-Dichlorobenzidine	**0.096**	**U**	**mg/Kg**	**1**	0.17	0.096	7/17/2018 00:18	J
4-Bromophenyl Phenyl Ether	**0.084**	**U**	**mg/Kg**	**1**	0.17	0.084	7/17/2018 00:18	J
4-Chloro-3-methylphenol	**0.090**	**U**	**mg/Kg**	**1**	0.17	0.090	7/17/2018 00:18	J
4-Chlorophenyl Phenyl Ether	**0.098**	**U**	**mg/Kg**	**1**	0.17	0.098	7/17/2018 00:18	J
4-Nitrophenol	**0.15**	**U**	**mg/Kg**	**1**	0.35	0.15	7/17/2018 00:18	J
Acenaphthene	**0.0027**	**U**	**mg/Kg**	**1**	0.0070	0.0027	7/17/2018 00:18	J
Acenaphthylene	**0.0036**	**U**	**mg/Kg**	**1**	0.0070	0.0036	7/17/2018 00:18	J
Anthracene	**0.0037**	**U**	**mg/Kg**	**1**	0.0070	0.0037	7/17/2018 00:18	J
Benzidine	**0.037**	**U**	**mg/Kg**	**1**	0.17	0.037	7/17/2018 00:18	J
Benzo[a]anthracene	**0.0043**	**U**	**mg/Kg**	**1**	0.0070	0.0043	7/17/2018 00:18	J
Benzo[a]pyrene	**0.0061**	**U**	**mg/Kg**	**1**	0.0070	0.0061	7/17/2018 00:18	J
Benzo[b]fluoranthene	**0.0044**	**U**	**mg/Kg**	**1**	0.0070	0.0044	7/17/2018 00:18	J
Benzo[g,h,i]perylene	**0.0050**	**U**	**mg/Kg**	**1**	0.0070	0.0050	7/17/2018 00:18	J
Benzo[k]fluoranthene	**0.0042**	**U**	**mg/Kg**	**1**	0.0070	0.0042	7/17/2018 00:18	J
Butyl benzyl phthalate	**0.14**	**U**	**mg/Kg**	**1**	0.17	0.14	7/17/2018 00:18	J
Chrysene	**0.0046**	**U**	**mg/Kg**	**1**	0.0070	0.0046	7/17/2018 00:18	J
Di-n-Butyl Phthalate	**0.17**	**U**	**mg/Kg**	**1**	0.17	0.17	7/17/2018 00:18	J
Di-n-octyl Phthalate	**0.14**	**U**	**mg/Kg**	**1**	0.17	0.14	7/17/2018 00:18	J
Dibenzo[a,h]anthracene	**0.0036**	**U**	**mg/Kg**	**1**	0.0070	0.0036	7/17/2018 00:18	J
Diethyl phthalate	**0.13**	**U**	**mg/Kg**	**1**	0.17	0.13	7/17/2018 00:18	J
Dimethyl phthalate	**0.11**	**U**	**mg/Kg**	**1**	0.35	0.11	7/17/2018 00:18	J
Fluoranthene	**0.0040**	**U**	**mg/Kg**	**1**	0.0070	0.0040	7/17/2018 00:18	J
Fluorene	**0.0031**	**U**	**mg/Kg**	**1**	0.0070	0.0031	7/17/2018 00:18	J
Hexachlorobenzene	**0.086**	**U**	**mg/Kg**	**1**	0.17	0.086	7/17/2018 00:18	J

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ANALYTICAL RESULTS

Workorder: J1807540 FIND Offload Site

Lab ID: **J1807540002** Date Received: 07/10/18 09:20 Matrix: Soil

Sample ID: **DU-3/4-2** Date Collected: 07/09/18 11:45

Results for sample J1807540002 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Hexachlorobutadiene	**0.059**	**U**	**mg/Kg**	**1**	0.17	0.059	7/17/2018 00:18	J
Hexachlorocyclopentadiene	**0.058**	**U**	**mg/Kg**	**1**	0.17	0.058	7/17/2018 00:18	J
Hexachloroethane	**0.10**	**U**	**mg/Kg**	**1**	0.17	0.10	7/17/2018 00:18	J
Indeno(1,2,3-cd)pyrene	**0.0040**	**U**	**mg/Kg**	**1**	0.0070	0.0040	7/17/2018 00:18	J
Isophorone	**0.095**	**U**	**mg/Kg**	**1**	0.17	0.095	7/17/2018 00:18	J
N-Nitrosodi-n-propylamine	**0.027**	**U**	**mg/Kg**	**1**	0.17	0.027	7/17/2018 00:18	J
N-Nitrosodimethylamine	**0.12**	**U**	**mg/Kg**	**1**	0.17	0.12	7/17/2018 00:18	J
N-Nitrosodiphenylamine	**0.092**	**U**	**mg/Kg**	**1**	0.35	0.092	7/17/2018 00:18	J
Naphthalene	**0.0025**	**U**	**mg/Kg**	**1**	0.0070	0.0025	7/17/2018 00:18	J
Nitrobenzene	**0.14**	**U**	**mg/Kg**	**1**	0.17	0.14	7/17/2018 00:18	J
Pentachlorophenol	**0.060**	**U**	**mg/Kg**	**1**	0.17	0.060	7/17/2018 00:18	J
Phenanthrene	**0.0032**	**U**	**mg/Kg**	**1**	0.0070	0.0032	7/17/2018 00:18	J
Phenol	**0.12**	**U**	**mg/Kg**	**1**	0.17	0.12	7/17/2018 00:18	J
Pyrene	**0.0043**	**U**	**mg/Kg**	**1**	0.0070	0.0043	7/17/2018 00:18	J
bis(2-Chloroethoxy)methane	**0.13**	**U**	**mg/Kg**	**1**	0.17	0.13	7/17/2018 00:18	J
bis(2-Chloroethyl)Ether	**0.10**	**U**	**mg/Kg**	**1**	0.17	0.10	7/17/2018 00:18	J
bis(2-Chloroisopropyl) Ether	**0.11**	**U**	**mg/Kg**	**1**	0.17	0.11	7/17/2018 00:18	J
bis(2-Ethylhexyl) phthalate	**0.14**	**U**	**mg/Kg**	**1**	0.17	0.14	7/17/2018 00:18	J
2-Fluorophenol (S)	**89**		**%**	**1**	35-115		7/17/2018 00:18	
Phenol-d6 (S)	**109**		**%**	**1**	33-122		7/17/2018 00:18	
Nitrobenzene-d5 (S)	**72**		**%**	**1**	37-122		7/17/2018 00:18	
2-Fluorobiphenyl (S)	**75**		**%**	**1**	44-115		7/17/2018 00:18	
2,4,6-Tribromophenol (S)	**104**		**%**	**1**	39-132		7/17/2018 00:18	
p-Terphenyl-d14 (S)	**83**		**%**	**1**	54-127		7/17/2018 00:18	

VOLATILES

Analysis Desc: 8260B Analysis, Soil — Preparation Method: SW-846 5035; Analytical Method: SW-846 8260B

1,1,1-Trichloroethane	**1.6**	**U**	**ug/Kg**	**1**	3.5	1.6	7/12/2018 15:51	J
1,1,2,2-Tetrachloroethane	**2.3**	**U**	**ug/Kg**	**1**	3.5	2.3	7/12/2018 15:51	J
1,1,2-Trichloroethane	**1.6**	**U**	**ug/Kg**	**1**	3.5	1.6	7/12/2018 15:51	J
1,1-Dichloroethane	**1.5**	**U**	**ug/Kg**	**1**	3.5	1.5	7/12/2018 15:51	J
1,1-Dichloroethylene	**1.4**	**U**	**ug/Kg**	**1**	3.5	1.4	7/12/2018 15:51	J
1,2-Dichlorobenzene	**1.6**	**U**	**ug/Kg**	**1**	3.5	1.6	7/12/2018 15:51	J
1,2-Dichloroethane	**1.7**	**U**	**ug/Kg**	**1**	3.5	1.7	7/12/2018 15:51	J
1,2-Dichloropropane	**1.5**	**U**	**ug/Kg**	**1**	3.5	1.5	7/12/2018 15:51	J
1,3-Dichlorobenzene	**1.5**	**U**	**ug/Kg**	**1**	3.5	1.5	7/12/2018 15:51	J
1,4-Dichlorobenzene	**1.3**	**U**	**ug/Kg**	**1**	3.5	1.3	7/12/2018 15:51	J
2-Chloroethyl Vinyl Ether	**0.90**	**U**	**ug/Kg**	**1**	5.9	0.90	7/12/2018 15:51	J

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ANALYTICAL RESULTS

Workorder: J1807540 FIND Offload Site

Lab ID: **J1807540002** Date Received: 07/10/18 09:20 Matrix: Soil

Sample ID: **DU-3/4-2** Date Collected: 07/09/18 11:45

Results for sample J1807540002 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Acrolein (Propenal)	**7.7**	**U**	**ug/Kg**	**1**	18	7.7	7/12/2018 15:51	J
Acrylonitrile	**6.1**	**U**	**ug/Kg**	**1**	18	6.1	7/12/2018 15:51	J
Benzene	**1.4**	**U**	**ug/Kg**	**1**	3.5	1.4	7/12/2018 15:51	J
Bromodichloromethane	**1.6**	**U**	**ug/Kg**	**1**	3.5	1.6	7/12/2018 15:51	J
Bromoform	**2.3**	**U**	**ug/Kg**	**1**	5.9	2.3	7/12/2018 15:51	J
Bromomethane	**1.5**	**U**	**ug/Kg**	**1**	3.5	1.5	7/12/2018 15:51	J
Carbon Tetrachloride	**1.7**	**U**	**ug/Kg**	**1**	3.5	1.7	7/12/2018 15:51	J
Chlorobenzene	**1.7**	**U**	**ug/Kg**	**1**	3.5	1.7	7/12/2018 15:51	J
Chloroethane	**1.2**	**U**	**ug/Kg**	**1**	3.5	1.2	7/12/2018 15:51	J
Chloroform	**1.5**	**U**	**ug/Kg**	**1**	3.5	1.5	7/12/2018 15:51	J
Chloromethane	**1.2**	**U**	**ug/Kg**	**1**	3.5	1.2	7/12/2018 15:51	J
Dibromochloromethane	**1.5**	**U**	**ug/Kg**	**1**	3.5	1.5	7/12/2018 15:51	J
Dichlorodifluoromethane	**0.99**	**U**	**ug/Kg**	**1**	3.5	0.99	7/12/2018 15:51	J
Ethylbenzene	**1.3**	**U**	**ug/Kg**	**1**	3.5	1.3	7/12/2018 15:51	J
Methyl tert-butyl Ether (MTBE)	**1.3**	**U**	**ug/Kg**	**1**	3.5	1.3	7/12/2018 15:51	J
Methylene Chloride	**3.3**	**U**	**ug/Kg**	**1**	12	3.3	7/12/2018 15:51	J
Tetrachloroethylene (PCE)	**1.4**	**U**	**ug/Kg**	**1**	3.5	1.4	7/12/2018 15:51	J
Toluene	**1.6**	**U**	**ug/Kg**	**1**	3.5	1.6	7/12/2018 15:51	J
Trichloroethene	**1.2**	**U**	**ug/Kg**	**1**	3.5	1.2	7/12/2018 15:51	J
Trichlorofluoromethane	**1.1**	**U**	**ug/Kg**	**1**	3.5	1.1	7/12/2018 15:51	J
Vinyl Chloride	**1.4**	**U**	**ug/Kg**	**1**	3.5	1.4	7/12/2018 15:51	J
Xylene (Total)	**4.5**	**U**	**ug/Kg**	**1**	11	4.5	7/12/2018 15:51	J
cis-1,2-Dichloroethylene	**1.7**	**U**	**ug/Kg**	**1**	3.5	1.7	7/12/2018 15:51	J
cis-1,3-Dichloropropene	**1.3**	**U**	**ug/Kg**	**1**	3.5	1.3	7/12/2018 15:51	J
trans-1,2-Dichloroethylene	**1.2**	**U**	**ug/Kg**	**1**	3.5	1.2	7/12/2018 15:51	J
trans-1,3-Dichloropropylene	**0.89**	**U**	**ug/Kg**	**1**	3.5	0.89	7/12/2018 15:51	J
1,2-Dichloroethane-d4 (S)	**94**		**%**	**1**	69-134		7/12/2018 15:51	
Toluene-d8 (S)	**96**		**%**	**1**	72-122		7/12/2018 15:51	
Bromofluorobenzene (S)	**110**		**%**	**1**	79-126		7/12/2018 15:51	

VOLATILES

Analysis Desc: Percent Solids,SM2540G,Soil	Analytical Method: SM 2540G						
Percent Moisture	**3.8**		**%**	**1**		7/11/2018 08:45	J

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ANALYTICAL RESULTS

Workorder: J1807540 FIND Offload Site

Lab ID: **J1807540003** Date Received: 07/10/18 09:20 Matrix: Soil

Sample ID: **DU-2-1** Date Collected: 07/09/18 12:45

Results for sample J1807540003 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils	Preparation Method: SW-846 3050B Analytical Method: SW-846 6010							
Arsenic	**0.61**	**U**	**mg/Kg**	**1**	2.4	0.61	7/11/2018 22:43	J
Barium	**3.0**		**mg/Kg**	**1**	0.12	0.044	7/11/2018 22:43	J
Boron	**1.9**		**mg/Kg**	**1**	1.5	0.74	7/11/2018 22:43	J
Cadmium	**0.075**	**I**	**mg/Kg**	**1**	0.18	0.038	7/11/2018 22:43	J
Chromium	**3.7**		**mg/Kg**	**1**	0.18	0.084	7/11/2018 22:43	J
Lead	**0.99**		**mg/Kg**	**1**	0.61	0.18	7/11/2018 22:43	J
Selenium	**0.70**	**U**	**mg/Kg**	**1**	1.5	0.70	7/11/2018 22:43	J
Silver	**0.22**	**U**	**mg/Kg**	**1**	0.61	0.22	7/13/2018 16:15	J
Analysis Desc: SW846 7471A Analysis, Soil	Preparation Method: SW-846 7471A Analytical Method: SW-846 7471A							
Mercury	**0.00082**	**U**	**mg/Kg**	**1**	0.0059	0.00082	7/11/2018 15:45	J
SEMIVOLATILES								
Analysis Desc: FL-PRO Analysis, Soil	Preparation Method: FL-PRO Analytical Method: FL-PRO							
TPH	**19**	**I**	**mg/Kg**	**1**	20	12	7/16/2018 16:51	J
o-Terphenyl (S)	**71**		**%**	**1**	62-109		7/16/2018 16:51	
Nonatricontane-C39 (S)	**66**		**%**	**1**	60-118		7/16/2018 16:51	
Analysis Desc: 8082A PCB Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8082A							
Aroclor 1016 (PCB-1016)	**7.5**	**U**	**ug/Kg**	**1**	41	7.5	7/16/2018 18:58	J
Aroclor 1221 (PCB-1221)	**15**	**U**	**ug/Kg**	**1**	41	15	7/16/2018 18:58	J
Aroclor 1232 (PCB-1232)	**35**	**U**	**ug/Kg**	**1**	41	35	7/16/2018 18:58	J
Aroclor 1242 (PCB-1242)	**9.6**	**U**	**ug/Kg**	**1**	41	9.6	7/16/2018 18:58	J
Aroclor 1248 (PCB-1248)	**26**	**U**	**ug/Kg**	**1**	41	26	7/16/2018 18:58	J
Aroclor 1254 (PCB-1254)	**17**	**U**	**ug/Kg**	**1**	41	17	7/16/2018 18:58	J
Aroclor 1260 (PCB-1260)	**8.5**	**U**	**ug/Kg**	**1**	41	8.5	7/16/2018 18:58	J
Tetrachloro-m-xylene (S)	**134**	**J4**	**%**	**1**	44-130		7/16/2018 18:58	
Decachlorobiphenyl (S)	**135**		**%**	**1**	61-147		7/16/2018 18:58	
Analysis Desc: 8270C Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8270C							
1,2,4-Trichlorobenzene	**0.072**	**U**	**mg/Kg**	**1**	0.20	0.072	7/17/2018 00:53	J

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ANALYTICAL RESULTS

Workorder: J1807540 FIND Offload Site

Lab ID: **J1807540003** Date Received: 07/10/18 09:20 Matrix: Soil

Sample ID: **DU-2-1** Date Collected: 07/09/18 12:45

Results for sample J1807540003 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,2-Dichlorobenzene	**0.12**	**U**	**mg/Kg**	**1**	0.20	0.12	7/17/2018 00:53	J
1,2-Diphenylhydrazine	**0.18**	**U**	**mg/Kg**	**1**	0.20	0.18	7/17/2018 00:53	J
1,3-Dichlorobenzene	**0.12**	**U**	**mg/Kg**	**1**	0.20	0.12	7/17/2018 00:53	J
1,4-Dichlorobenzene	**0.11**	**U**	**mg/Kg**	**1**	0.20	0.11	7/17/2018 00:53	J
1-Methylnaphthalene	**0.0029**	**U**	**mg/Kg**	**1**	0.0082	0.0029	7/17/2018 00:53	J
2,4,6-Trichlorophenol	**0.11**	**U**	**mg/Kg**	**1**	0.20	0.11	7/17/2018 00:53	J
2,4-Dichlorophenol	**0.076**	**U**	**mg/Kg**	**1**	0.20	0.076	7/17/2018 00:53	J
2,4-Dimethylphenol	**0.12**	**U**	**mg/Kg**	**1**	0.20	0.12	7/17/2018 00:53	J
2,4-Dinitrophenol	**0.075**	**U**	**mg/Kg**	**1**	0.41	0.075	7/17/2018 00:53	J
2,4-Dinitrotoluene (2,4-DNT)	**0.094**	**U**	**mg/Kg**	**1**	0.20	0.094	7/17/2018 00:53	J
2,6-Dinitrotoluene (2,6-DNT)	**0.096**	**U**	**mg/Kg**	**1**	0.20	0.096	7/17/2018 00:53	J
2-Chloronaphthalene	**0.14**	**U**	**mg/Kg**	**1**	0.20	0.14	7/17/2018 00:53	J
2-Chlorophenol	**0.11**	**U**	**mg/Kg**	**1**	0.20	0.11	7/17/2018 00:53	J
2-Methyl-4,6-dinitrophenol	**0.083**	**U**	**mg/Kg**	**1**	0.41	0.083	7/17/2018 00:53	J
2-Methylnaphthalene	**0.0028**	**U**	**mg/Kg**	**1**	0.0082	0.0028	7/17/2018 00:53	J
2-Nitrophenol	**0.078**	**U**	**mg/Kg**	**1**	0.20	0.078	7/17/2018 00:53	J
3,3`-Dichlorobenzidine	**0.11**	**U**	**mg/Kg**	**1**	0.20	0.11	7/17/2018 00:53	J
4-Bromophenyl Phenyl Ether	**0.099**	**U**	**mg/Kg**	**1**	0.20	0.099	7/17/2018 00:53	J
4-Chloro-3-methylphenol	**0.11**	**U**	**mg/Kg**	**1**	0.20	0.11	7/17/2018 00:53	J
4-Chlorophenyl Phenyl Ether	**0.11**	**U**	**mg/Kg**	**1**	0.20	0.11	7/17/2018 00:53	J
4-Nitrophenol	**0.18**	**U**	**mg/Kg**	**1**	0.41	0.18	7/17/2018 00:53	J
Acenaphthene	**0.0032**	**U**	**mg/Kg**	**1**	0.0082	0.0032	7/17/2018 00:53	J
Acenaphthylene	**0.0042**	**U**	**mg/Kg**	**1**	0.0082	0.0042	7/17/2018 00:53	J
Anthracene	**0.0043**	**U**	**mg/Kg**	**1**	0.0082	0.0043	7/17/2018 00:53	J
Benzidine	**0.044**	**U**	**mg/Kg**	**1**	0.20	0.044	7/17/2018 00:53	J
Benzo[a]anthracene	**0.0051**	**U**	**mg/Kg**	**1**	0.0082	0.0051	7/17/2018 00:53	J
Benzo[a]pyrene	**0.0072**	**U**	**mg/Kg**	**1**	0.0082	0.0072	7/17/2018 00:53	J
Benzo[b]fluoranthene	**0.0052**	**U**	**mg/Kg**	**1**	0.0082	0.0052	7/17/2018 00:53	J
Benzo[g,h,i]perylene	**0.0058**	**U**	**mg/Kg**	**1**	0.0082	0.0058	7/17/2018 00:53	J
Benzo[k]fluoranthene	**0.0050**	**U**	**mg/Kg**	**1**	0.0082	0.0050	7/17/2018 00:53	J
Butyl benzyl phthalate	**0.17**	**U**	**mg/Kg**	**1**	0.20	0.17	7/17/2018 00:53	J
Chrysene	**0.0053**	**U**	**mg/Kg**	**1**	0.0082	0.0053	7/17/2018 00:53	J
Di-n-Butyl Phthalate	**0.19**	**U**	**mg/Kg**	**1**	0.20	0.19	7/17/2018 00:53	J
Di-n-octyl Phthalate	**0.17**	**U**	**mg/Kg**	**1**	0.20	0.17	7/17/2018 00:53	J
Dibenzo[a,h]anthracene	**0.0042**	**U**	**mg/Kg**	**1**	0.0082	0.0042	7/17/2018 00:53	J
Diethyl phthalate	**0.15**	**U**	**mg/Kg**	**1**	0.20	0.15	7/17/2018 00:53	J
Dimethyl phthalate	**0.13**	**U**	**mg/Kg**	**1**	0.41	0.13	7/17/2018 00:53	J
Fluoranthene	**0.0046**	**U**	**mg/Kg**	**1**	0.0082	0.0046	7/17/2018 00:53	J
Fluorene	**0.0036**	**U**	**mg/Kg**	**1**	0.0082	0.0036	7/17/2018 00:53	J
Hexachlorobenzene	**0.10**	**U**	**mg/Kg**	**1**	0.20	0.10	7/17/2018 00:53	J

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ANALYTICAL RESULTS

Workorder: J1807540 FIND Offload Site

Lab ID: **J1807540003** Date Received: 07/10/18 09:20 Matrix: Soil

Sample ID: **DU-2-1** Date Collected: 07/09/18 12:45

Results for sample J1807540003 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Hexachlorobutadiene	**0.069**	**U**	**mg/Kg**	**1**	0.20	0.069	7/17/2018 00:53	J
Hexachlorocyclopentadiene	**0.068**	**U**	**mg/Kg**	**1**	0.20	0.068	7/17/2018 00:53	J
Hexachloroethane	**0.12**	**U**	**mg/Kg**	**1**	0.20	0.12	7/17/2018 00:53	J
Indeno(1,2,3-cd)pyrene	**0.0047**	**U**	**mg/Kg**	**1**	0.0082	0.0047	7/17/2018 00:53	J
Isophorone	**0.11**	**U**	**mg/Kg**	**1**	0.20	0.11	7/17/2018 00:53	J
N-Nitrosodi-n-propylamine	**0.032**	**U**	**mg/Kg**	**1**	0.20	0.032	7/17/2018 00:53	J
N-Nitrosodimethylamine	**0.15**	**U**	**mg/Kg**	**1**	0.20	0.15	7/17/2018 00:53	J
N-Nitrosodiphenylamine	**0.11**	**U**	**mg/Kg**	**1**	0.41	0.11	7/17/2018 00:53	J
Naphthalene	**0.0029**	**U**	**mg/Kg**	**1**	0.0082	0.0029	7/17/2018 00:53	J
Nitrobenzene	**0.17**	**U**	**mg/Kg**	**1**	0.20	0.17	7/17/2018 00:53	J
Pentachlorophenol	**0.071**	**U**	**mg/Kg**	**1**	0.20	0.071	7/17/2018 00:53	J
Phenanthrene	**0.0038**	**U**	**mg/Kg**	**1**	0.0082	0.0038	7/17/2018 00:53	J
Phenol	**0.14**	**U**	**mg/Kg**	**1**	0.20	0.14	7/17/2018 00:53	J
Pyrene	**0.0050**	**U**	**mg/Kg**	**1**	0.0082	0.0050	7/17/2018 00:53	J
bis(2-Chloroethoxy)methane	**0.15**	**U**	**mg/Kg**	**1**	0.20	0.15	7/17/2018 00:53	J
bis(2-Chloroethyl)Ether	**0.12**	**U**	**mg/Kg**	**1**	0.20	0.12	7/17/2018 00:53	J
bis(2-Chloroisopropyl) Ether	**0.13**	**U**	**mg/Kg**	**1**	0.20	0.13	7/17/2018 00:53	J
bis(2-Ethylhexyl) phthalate	**0.17**	**U**	**mg/Kg**	**1**	0.20	0.17	7/17/2018 00:53	J
2-Fluorophenol (S)	**97**		**%**	**1**	35-115		7/17/2018 00:53	
Phenol-d6 (S)	**116**		**%**	**1**	33-122		7/17/2018 00:53	
Nitrobenzene-d5 (S)	**78**		**%**	**1**	37-122		7/17/2018 00:53	
2-Fluorobiphenyl (S)	**86**		**%**	**1**	44-115		7/17/2018 00:53	
2,4,6-Tribromophenol (S)	**107**		**%**	**1**	39-132		7/17/2018 00:53	
p-Terphenyl-d14 (S)	**84**		**%**	**1**	54-127		7/17/2018 00:53	

VOLATILES

Analysis Desc: 8260B Analysis, Soil — Preparation Method: SW-846 5035; Analytical Method: SW-846 8260B

1,1,1-Trichloroethane	**1.9**	**U**	**ug/Kg**	**1**	4.2	1.9	7/12/2018 16:24	J
1,1,2,2-Tetrachloroethane	**2.7**	**U**	**ug/Kg**	**1**	4.2	2.7	7/12/2018 16:24	J
1,1,2-Trichloroethane	**1.9**	**U**	**ug/Kg**	**1**	4.2	1.9	7/12/2018 16:24	J
1,1-Dichloroethane	**1.8**	**U**	**ug/Kg**	**1**	4.2	1.8	7/12/2018 16:24	J
1,1-Dichloroethylene	**1.7**	**U**	**ug/Kg**	**1**	4.2	1.7	7/12/2018 16:24	J
1,2-Dichlorobenzene	**1.8**	**U**	**ug/Kg**	**1**	4.2	1.8	7/12/2018 16:24	J
1,2-Dichloroethane	**1.9**	**U**	**ug/Kg**	**1**	4.2	1.9	7/12/2018 16:24	J
1,2-Dichloropropane	**1.7**	**U**	**ug/Kg**	**1**	4.2	1.7	7/12/2018 16:24	J
1,3-Dichlorobenzene	**1.8**	**U**	**ug/Kg**	**1**	4.2	1.8	7/12/2018 16:24	J
1,4-Dichlorobenzene	**1.6**	**U**	**ug/Kg**	**1**	4.2	1.6	7/12/2018 16:24	J
2-Chloroethyl Vinyl Ether	**1.1**	**U**	**ug/Kg**	**1**	6.9	1.1	7/12/2018 16:24	J

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ANALYTICAL RESULTS

Workorder: J1807540 FIND Offload Site

Lab ID: **J1807540003** Date Received: 07/10/18 09:20 Matrix: Soil

Sample ID: **DU-2-1** Date Collected: 07/09/18 12:45

Results for sample J1807540003 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Acrolein (Propenal)	**9.1**	**U**	**ug/Kg**	**1**	21	9.1	7/12/2018 16:24	J
Acrylonitrile	**7.1**	**U**	**ug/Kg**	**1**	21	7.1	7/12/2018 16:24	J
Benzene	**1.7**	**U**	**ug/Kg**	**1**	4.2	1.7	7/12/2018 16:24	J
Bromodichloromethane	**1.8**	**U**	**ug/Kg**	**1**	4.2	1.8	7/12/2018 16:24	J
Bromoform	**2.7**	**U**	**ug/Kg**	**1**	6.9	2.7	7/12/2018 16:24	J
Bromomethane	**1.8**	**U**	**ug/Kg**	**1**	4.2	1.8	7/12/2018 16:24	J
Carbon Tetrachloride	**2.0**	**U**	**ug/Kg**	**1**	4.2	2.0	7/12/2018 16:24	J
Chlorobenzene	**2.0**	**U**	**ug/Kg**	**1**	4.2	2.0	7/12/2018 16:24	J
Chloroethane	**1.4**	**U**	**ug/Kg**	**1**	4.2	1.4	7/12/2018 16:24	J
Chloroform	**1.8**	**U**	**ug/Kg**	**1**	4.2	1.8	7/12/2018 16:24	J
Chloromethane	**1.4**	**U**	**ug/Kg**	**1**	4.2	1.4	7/12/2018 16:24	J
Dibromochloromethane	**1.8**	**U**	**ug/Kg**	**1**	4.2	1.8	7/12/2018 16:24	J
Dichlorodifluoromethane	**1.2**	**U**	**ug/Kg**	**1**	4.2	1.2	7/12/2018 16:24	J
Ethylbenzene	**1.5**	**U**	**ug/Kg**	**1**	4.2	1.5	7/12/2018 16:24	J
Methyl tert-butyl Ether (MTBE)	**1.6**	**U**	**ug/Kg**	**1**	4.2	1.6	7/12/2018 16:24	J
Methylene Chloride	**3.9**	**U**	**ug/Kg**	**1**	14	3.9	7/12/2018 16:24	J
Tetrachloroethylene (PCE)	**1.7**	**U**	**ug/Kg**	**1**	4.2	1.7	7/12/2018 16:24	J
Toluene	**1.9**	**U**	**ug/Kg**	**1**	4.2	1.9	7/12/2018 16:24	J
Trichloroethene	**1.4**	**U**	**ug/Kg**	**1**	4.2	1.4	7/12/2018 16:24	J
Trichlorofluoromethane	**1.3**	**U**	**ug/Kg**	**1**	4.2	1.3	7/12/2018 16:24	J
Vinyl Chloride	**1.7**	**U**	**ug/Kg**	**1**	4.2	1.7	7/12/2018 16:24	J
Xylene (Total)	**5.3**	**U**	**ug/Kg**	**1**	12	5.3	7/12/2018 16:24	J
cis-1,2-Dichloroethylene	**2.0**	**U**	**ug/Kg**	**1**	4.2	2.0	7/12/2018 16:24	J
cis-1,3-Dichloropropene	**1.5**	**U**	**ug/Kg**	**1**	4.2	1.5	7/12/2018 16:24	J
trans-1,2-Dichloroethylene	**1.4**	**U**	**ug/Kg**	**1**	4.2	1.4	7/12/2018 16:24	J
trans-1,3-Dichloropropylene	**1.0**	**U**	**ug/Kg**	**1**	4.2	1.0	7/12/2018 16:24	J
1,2-Dichloroethane-d4 (S)	**88**		**%**	**1**	69-134		7/12/2018 16:24	
Toluene-d8 (S)	**93**		**%**	**1**	72-122		7/12/2018 16:24	
Bromofluorobenzene (S)	**108**		**%**	**1**	79-126		7/12/2018 16:24	

VOLATILES

Analysis Desc: Percent Solids,SM2540G,Soil	Analytical Method: SM 2540G						
Percent Moisture	**18**		**%**	**1**		7/11/2018 08:45	J

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ANALYTICAL RESULTS

Workorder: J1807540 FIND Offload Site

Lab ID: **J1807540004** Date Received: 07/10/18 09:20 Matrix: Soil

Sample ID: **DU-2-3** Date Collected: 07/09/18 13:05

Results for sample J1807540004 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils	Preparation Method: SW-846 3050B Analytical Method: SW-846 6010							
Arsenic	**0.55**	**U**	**mg/Kg**	**1**	2.2	0.55	7/11/2018 22:46	J
Barium	**2.9**		**mg/Kg**	**1**	0.11	0.040	7/11/2018 22:46	J
Boron	**2.0**		**mg/Kg**	**1**	1.4	0.67	7/11/2018 22:46	J
Cadmium	**0.066**	**I**	**mg/Kg**	**1**	0.16	0.035	7/11/2018 22:46	J
Chromium	**3.6**		**mg/Kg**	**1**	0.16	0.076	7/11/2018 22:46	J
Lead	**0.96**		**mg/Kg**	**1**	0.55	0.16	7/11/2018 22:46	J
Selenium	**0.63**	**U**	**mg/Kg**	**1**	1.4	0.63	7/11/2018 22:46	J
Silver	**0.19**	**U**	**mg/Kg**	**1**	0.55	0.19	7/13/2018 16:18	J
Analysis Desc: SW846 7471A Analysis, Soil	Preparation Method: SW-846 7471A Analytical Method: SW-846 7471A							
Mercury	**0.00076**	**U**	**mg/Kg**	**1**	0.0054	0.00076	7/11/2018 15:48	J
SEMIVOLATILES								
Analysis Desc: FL-PRO Analysis, Soil	Preparation Method: FL-PRO Analytical Method: FL-PRO							
TPH	**15**	**I**	**mg/Kg**	**1**	19	11	7/16/2018 17:19	J
o-Terphenyl (S)	**76**		**%**	**1**	62-109		7/16/2018 17:19	
Nonatricontane-C39 (S)	**69**		**%**	**1**	60-118		7/16/2018 17:19	
Analysis Desc: 8082A PCB Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8082A							
Aroclor 1016 (PCB-1016)	**7.0**	**U**	**ug/Kg**	**1**	38	7.0	7/16/2018 19:19	J
Aroclor 1221 (PCB-1221)	**14**	**U**	**ug/Kg**	**1**	38	14	7/16/2018 19:19	J
Aroclor 1232 (PCB-1232)	**33**	**U**	**ug/Kg**	**1**	38	33	7/16/2018 19:19	J
Aroclor 1242 (PCB-1242)	**9.0**	**U**	**ug/Kg**	**1**	38	9.0	7/16/2018 19:19	J
Aroclor 1248 (PCB-1248)	**24**	**U**	**ug/Kg**	**1**	38	24	7/16/2018 19:19	J
Aroclor 1254 (PCB-1254)	**16**	**U**	**ug/Kg**	**1**	38	16	7/16/2018 19:19	J
Aroclor 1260 (PCB-1260)	**8.0**	**U**	**ug/Kg**	**1**	38	8.0	7/16/2018 19:19	J
Tetrachloro-m-xylene (S)	**132**	**J4**	**%**	**1**	44-130		7/16/2018 19:19	
Decachlorobiphenyl (S)	**136**		**%**	**1**	61-147		7/16/2018 19:19	
Analysis Desc: 8270C Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8270C							
1,2,4-Trichlorobenzene	**0.067**	**U**	**mg/Kg**	**1**	0.19	0.067	7/17/2018 01:28	J

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ANALYTICAL RESULTS

Workorder: J1807540 FIND Offload Site

Lab ID: **J1807540004** Date Received: 07/10/18 09:20 Matrix: Soil

Sample ID: **DU-2-3** Date Collected: 07/09/18 13:05

Results for sample J1807540004 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,2-Dichlorobenzene	**0.11**	**U**	**mg/Kg**	**1**	0.19	0.11	7/17/2018 01:28	J
1,2-Diphenylhydrazine	**0.16**	**U**	**mg/Kg**	**1**	0.19	0.16	7/17/2018 01:28	J
1,3-Dichlorobenzene	**0.11**	**U**	**mg/Kg**	**1**	0.19	0.11	7/17/2018 01:28	J
1,4-Dichlorobenzene	**0.11**	**U**	**mg/Kg**	**1**	0.19	0.11	7/17/2018 01:28	J
1-Methylnaphthalene	**0.0027**	**U**	**mg/Kg**	**1**	0.0076	0.0027	7/17/2018 01:28	J
2,4,6-Trichlorophenol	**0.099**	**U**	**mg/Kg**	**1**	0.19	0.099	7/17/2018 01:28	J
2,4-Dichlorophenol	**0.070**	**U**	**mg/Kg**	**1**	0.19	0.070	7/17/2018 01:28	J
2,4-Dimethylphenol	**0.11**	**U**	**mg/Kg**	**1**	0.19	0.11	7/17/2018 01:28	J
2,4-Dinitrophenol	**0.069**	**U**	**mg/Kg**	**1**	0.38	0.069	7/17/2018 01:28	J
2,4-Dinitrotoluene (2,4-DNT)	**0.087**	**U**	**mg/Kg**	**1**	0.19	0.087	7/17/2018 01:28	J
2,6-Dinitrotoluene (2,6-DNT)	**0.089**	**U**	**mg/Kg**	**1**	0.19	0.089	7/17/2018 01:28	J
2-Chloronaphthalene	**0.13**	**U**	**mg/Kg**	**1**	0.19	0.13	7/17/2018 01:28	J
2-Chlorophenol	**0.10**	**U**	**mg/Kg**	**1**	0.19	0.10	7/17/2018 01:28	J
2-Methyl-4,6-dinitrophenol	**0.077**	**U**	**mg/Kg**	**1**	0.38	0.077	7/17/2018 01:28	J
2-Methylnaphthalene	**0.0026**	**U**	**mg/Kg**	**1**	0.0076	0.0026	7/17/2018 01:28	J
2-Nitrophenol	**0.072**	**U**	**mg/Kg**	**1**	0.19	0.072	7/17/2018 01:28	J
3,3`-Dichlorobenzidine	**0.10**	**U**	**mg/Kg**	**1**	0.19	0.10	7/17/2018 01:28	J
4-Bromophenyl Phenyl Ether	**0.091**	**U**	**mg/Kg**	**1**	0.19	0.091	7/17/2018 01:28	J
4-Chloro-3-methylphenol	**0.098**	**U**	**mg/Kg**	**1**	0.19	0.098	7/17/2018 01:28	J
4-Chlorophenyl Phenyl Ether	**0.11**	**U**	**mg/Kg**	**1**	0.19	0.11	7/17/2018 01:28	J
4-Nitrophenol	**0.16**	**U**	**mg/Kg**	**1**	0.38	0.16	7/17/2018 01:28	J
Acenaphthene	**0.0029**	**U**	**mg/Kg**	**1**	0.0076	0.0029	7/17/2018 01:28	J
Acenaphthylene	**0.0039**	**U**	**mg/Kg**	**1**	0.0076	0.0039	7/17/2018 01:28	J
Anthracene	**0.0040**	**U**	**mg/Kg**	**1**	0.0076	0.0040	7/17/2018 01:28	J
Benzidine	**0.040**	**U**	**mg/Kg**	**1**	0.19	0.040	7/17/2018 01:28	J
Benzo[a]anthracene	**0.0047**	**U**	**mg/Kg**	**1**	0.0076	0.0047	7/17/2018 01:28	J
Benzo[a]pyrene	**0.0066**	**U**	**mg/Kg**	**1**	0.0076	0.0066	7/17/2018 01:28	J
Benzo[b]fluoranthene	**0.0048**	**U**	**mg/Kg**	**1**	0.0076	0.0048	7/17/2018 01:28	J
Benzo[g,h,i]perylene	**0.0054**	**U**	**mg/Kg**	**1**	0.0076	0.0054	7/17/2018 01:28	J
Benzo[k]fluoranthene	**0.0046**	**U**	**mg/Kg**	**1**	0.0076	0.0046	7/17/2018 01:28	J
Butyl benzyl phthalate	**0.15**	**U**	**mg/Kg**	**1**	0.19	0.15	7/17/2018 01:28	J
Chrysene	**0.0049**	**U**	**mg/Kg**	**1**	0.0076	0.0049	7/17/2018 01:28	J
Di-n-Butyl Phthalate	**0.18**	**U**	**mg/Kg**	**1**	0.19	0.18	7/17/2018 01:28	J
Di-n-octyl Phthalate	**0.15**	**U**	**mg/Kg**	**1**	0.19	0.15	7/17/2018 01:28	J
Dibenzo[a,h]anthracene	**0.0039**	**U**	**mg/Kg**	**1**	0.0076	0.0039	7/17/2018 01:28	J
Diethyl phthalate	**0.14**	**U**	**mg/Kg**	**1**	0.19	0.14	7/17/2018 01:28	J
Dimethyl phthalate	**0.12**	**U**	**mg/Kg**	**1**	0.38	0.12	7/17/2018 01:28	J
Fluoranthene	**0.0043**	**U**	**mg/Kg**	**1**	0.0076	0.0043	7/17/2018 01:28	J
Fluorene	**0.0033**	**U**	**mg/Kg**	**1**	0.0076	0.0033	7/17/2018 01:28	J
Hexachlorobenzene	**0.094**	**U**	**mg/Kg**	**1**	0.19	0.094	7/17/2018 01:28	J

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ANALYTICAL RESULTS

Workorder: J1807540 FIND Offload Site

Lab ID: **J1807540004** Date Received: 07/10/18 09:20 Matrix: Soil

Sample ID: **DU-2-3** Date Collected: 07/09/18 13:05

Results for sample J1807540004 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Hexachlorobutadiene	**0.064**	**U**	**mg/Kg**	**1**	0.19	0.064	7/17/2018 01:28	J
Hexachlorocyclopentadiene	**0.063**	**U**	**mg/Kg**	**1**	0.19	0.063	7/17/2018 01:28	J
Hexachloroethane	**0.11**	**U**	**mg/Kg**	**1**	0.19	0.11	7/17/2018 01:28	J
Indeno(1,2,3-cd)pyrene	**0.0043**	**U**	**mg/Kg**	**1**	0.0076	0.0043	7/17/2018 01:28	J
Isophorone	**0.10**	**U**	**mg/Kg**	**1**	0.19	0.10	7/17/2018 01:28	J
N-Nitrosodi-n-propylamine	**0.030**	**U**	**mg/Kg**	**1**	0.19	0.030	7/17/2018 01:28	J
N-Nitrosodimethylamine	**0.14**	**U**	**mg/Kg**	**1**	0.19	0.14	7/17/2018 01:28	J
N-Nitrosodiphenylamine	**0.10**	**U**	**mg/Kg**	**1**	0.38	0.10	7/17/2018 01:28	J
Naphthalene	**0.0027**	**U**	**mg/Kg**	**1**	0.0076	0.0027	7/17/2018 01:28	J
Nitrobenzene	**0.15**	**U**	**mg/Kg**	**1**	0.19	0.15	7/17/2018 01:28	J
Pentachlorophenol	**0.066**	**U**	**mg/Kg**	**1**	0.19	0.066	7/17/2018 01:28	J
Phenanthrene	**0.0035**	**U**	**mg/Kg**	**1**	0.0076	0.0035	7/17/2018 01:28	J
Phenol	**0.13**	**U**	**mg/Kg**	**1**	0.19	0.13	7/17/2018 01:28	J
Pyrene	**0.0046**	**U**	**mg/Kg**	**1**	0.0076	0.0046	7/17/2018 01:28	J
bis(2-Chloroethoxy)methane	**0.14**	**U**	**mg/Kg**	**1**	0.19	0.14	7/17/2018 01:28	J
bis(2-Chloroethyl)Ether	**0.11**	**U**	**mg/Kg**	**1**	0.19	0.11	7/17/2018 01:28	J
bis(2-Chloroisopropyl) Ether	**0.12**	**U**	**mg/Kg**	**1**	0.19	0.12	7/17/2018 01:28	J
bis(2-Ethylhexyl) phthalate	**0.15**	**U**	**mg/Kg**	**1**	0.19	0.15	7/17/2018 01:28	J
2-Fluorophenol (S)	**97**		**%**	**1**	35-115		7/17/2018 01:28	
Phenol-d6 (S)	**121**		**%**	**1**	33-122		7/17/2018 01:28	
Nitrobenzene-d5 (S)	**75**		**%**	**1**	37-122		7/17/2018 01:28	
2-Fluorobiphenyl (S)	**80**		**%**	**1**	44-115		7/17/2018 01:28	
2,4,6-Tribromophenol (S)	**99**		**%**	**1**	39-132		7/17/2018 01:28	
p-Terphenyl-d14 (S)	**87**		**%**	**1**	54-127		7/17/2018 01:28	

VOLATILES

Analysis Desc: 8260B Analysis, Soil — Preparation Method: SW-846 5035; Analytical Method: SW-846 8260B

1,1,1-Trichloroethane	**2.0**	**U**	**ug/Kg**	**1**	4.3	2.0	7/12/2018 16:56	J
1,1,2,2-Tetrachloroethane	**2.8**	**U**	**ug/Kg**	**1**	4.3	2.8	7/12/2018 16:56	J
1,1,2-Trichloroethane	**1.9**	**U**	**ug/Kg**	**1**	4.3	1.9	7/12/2018 16:56	J
1,1-Dichloroethane	**1.8**	**U**	**ug/Kg**	**1**	4.3	1.8	7/12/2018 16:56	J
1,1-Dichloroethylene	**1.7**	**U**	**ug/Kg**	**1**	4.3	1.7	7/12/2018 16:56	J
1,2-Dichlorobenzene	**1.9**	**U**	**ug/Kg**	**1**	4.3	1.9	7/12/2018 16:56	J
1,2-Dichloroethane	**2.0**	**U**	**ug/Kg**	**1**	4.3	2.0	7/12/2018 16:56	J
1,2-Dichloropropane	**1.8**	**U**	**ug/Kg**	**1**	4.3	1.8	7/12/2018 16:56	J
1,3-Dichlorobenzene	**1.8**	**U**	**ug/Kg**	**1**	4.3	1.8	7/12/2018 16:56	J
1,4-Dichlorobenzene	**1.6**	**U**	**ug/Kg**	**1**	4.3	1.6	7/12/2018 16:56	J
2-Chloroethyl Vinyl Ether	**1.1**	**U**	**ug/Kg**	**1**	7.2	1.1	7/12/2018 16:56	J

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ANALYTICAL RESULTS

Workorder: J1807540 FIND Offload Site

Lab ID: **J1807540004** Date Received: 07/10/18 09:20 Matrix: Soil

Sample ID: **DU-2-3** Date Collected: 07/09/18 13:05

Results for sample J1807540004 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Acrolein (Propenal)	**9.4**	**U**	**ug/Kg**	**1**	22	9.4	7/12/2018 16:56	J
Acrylonitrile	**7.4**	**U**	**ug/Kg**	**1**	22	7.4	7/12/2018 16:56	J
Benzene	**1.8**	**U**	**ug/Kg**	**1**	4.3	1.8	7/12/2018 16:56	J
Bromodichloromethane	**1.9**	**U**	**ug/Kg**	**1**	4.3	1.9	7/12/2018 16:56	J
Bromoform	**2.8**	**U**	**ug/Kg**	**1**	7.2	2.8	7/12/2018 16:56	J
Bromomethane	**1.9**	**U**	**ug/Kg**	**1**	4.3	1.9	7/12/2018 16:56	J
Carbon Tetrachloride	**2.0**	**U**	**ug/Kg**	**1**	4.3	2.0	7/12/2018 16:56	J
Chlorobenzene	**2.1**	**U**	**ug/Kg**	**1**	4.3	2.1	7/12/2018 16:56	J
Chloroethane	**1.4**	**U**	**ug/Kg**	**1**	4.3	1.4	7/12/2018 16:56	J
Chloroform	**1.9**	**U**	**ug/Kg**	**1**	4.3	1.9	7/12/2018 16:56	J
Chloromethane	**1.5**	**U**	**ug/Kg**	**1**	4.3	1.5	7/12/2018 16:56	J
Dibromochloromethane	**1.9**	**U**	**ug/Kg**	**1**	4.3	1.9	7/12/2018 16:56	J
Dichlorodifluoromethane	**1.2**	**U**	**ug/Kg**	**1**	4.3	1.2	7/12/2018 16:56	J
Ethylbenzene	**1.6**	**U**	**ug/Kg**	**1**	4.3	1.6	7/12/2018 16:56	J
Methyl tert-butyl Ether (MTBE)	**1.6**	**U**	**ug/Kg**	**1**	4.3	1.6	7/12/2018 16:56	J
Methylene Chloride	**4.0**	**U**	**ug/Kg**	**1**	14	4.0	7/12/2018 16:56	J
Tetrachloroethylene (PCE)	**1.8**	**U**	**ug/Kg**	**1**	4.3	1.8	7/12/2018 16:56	J
Toluene	**2.0**	**U**	**ug/Kg**	**1**	4.3	2.0	7/12/2018 16:56	J
Trichloroethene	**1.5**	**U**	**ug/Kg**	**1**	4.3	1.5	7/12/2018 16:56	J
Trichlorofluoromethane	**1.3**	**U**	**ug/Kg**	**1**	4.3	1.3	7/12/2018 16:56	J
Vinyl Chloride	**1.8**	**U**	**ug/Kg**	**1**	4.3	1.8	7/12/2018 16:56	J
Xylene (Total)	**5.5**	**U**	**ug/Kg**	**1**	13	5.5	7/12/2018 16:56	J
cis-1,2-Dichloroethylene	**2.0**	**U**	**ug/Kg**	**1**	4.3	2.0	7/12/2018 16:56	J
cis-1,3-Dichloropropene	**1.5**	**U**	**ug/Kg**	**1**	4.3	1.5	7/12/2018 16:56	J
trans-1,2-Dichloroethylene	**1.4**	**U**	**ug/Kg**	**1**	4.3	1.4	7/12/2018 16:56	J
trans-1,3-Dichloropropylene	**1.1**	**U**	**ug/Kg**	**1**	4.3	1.1	7/12/2018 16:56	J
1,2-Dichloroethane-d4 (S)	**91**		**%**	**1**	69-134		7/12/2018 16:56	
Toluene-d8 (S)	**97**		**%**	**1**	72-122		7/12/2018 16:56	
Bromofluorobenzene (S)	**106**		**%**	**1**	79-126		7/12/2018 16:56	

VOLATILES

Analysis Desc: Percent Solids,SM2540G,Soil	Analytical Method: SM 2540G						
Percent Moisture	**11**		**%**	**1**		7/11/2018 08:45	J

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ANALYTICAL RESULTS QUALIFIERS

Workorder: J1807540 FIND Offload Site

PARAMETER QUALIFIERS

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J4	Estimated Result

LAB QUALIFIERS

J	DOH Certification #E82574(AEL-JAX)(FL NELAC Certification)

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QUALITY CONTROL DATA

Workorder: J1807540 FIND Offload Site

QC Batch: DGMj/1807 Analysis Method: SW-846 6010
QC Batch Method: SW-846 3050B Prepared: 07/11/2018 10:30
Associated Lab Samples: J1807540001, J1807540002, J1807540003, J1807540004

METHOD BLANK: 2770517

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Silver	mg/Kg	0.18	0.18	U
Arsenic	mg/Kg	0.50	0.50	U
Boron	mg/Kg	0.61	0.61	U
Barium	mg/Kg	0.036	0.036	U
Cadmium	mg/Kg	0.032	0.032	U
Chromium	mg/Kg	0.069	0.069	U
Lead	mg/Kg	0.15	0.15	U
Selenium	mg/Kg	0.58	0.58	U

QC Batch: DGMj/1808 Analysis Method: SW-846 7471A
QC Batch Method: SW-846 7471A Prepared: 07/11/2018 13:00
Associated Lab Samples: J1807540001, J1807540002, J1807540003, J1807540004

METHOD BLANK: 2771033

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Mercury	mg/Kg	0.00070	0.00070	U

QC Batch: EXTj/1915 Analysis Method: FL-PRO
QC Batch Method: FL-PRO Prepared: 07/12/2018 17:30
Associated Lab Samples: J1807540001, J1807540002, J1807540003, J1807540004

METHOD BLANK: 2773117

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
TPH	mg/Kg	9.8	9.8	U
o-Terphenyl (S)	%	77	62-109	
Nonatricontane-C39 (S)	%	70	60-118	

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QUALITY CONTROL DATA

Workorder: J1807540 FIND Offload Site

QC Batch:	MSVj/2067	Analysis Method:	SW-846 8260B
QC Batch Method:	SW-846 5035	Prepared:	07/12/2018 09:49

Associated Lab Samples: J1807540001, J1807540002, J1807540003, J1807540004

METHOD BLANK: 2773371

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Dichlorodifluoromethane	ug/Kg	0.84	0.84	U
Chloromethane	ug/Kg	1.0	1.0	U
Vinyl Chloride	ug/Kg	1.2	1.2	U
Bromomethane	ug/Kg	1.3	1.3	U
Chloroethane	ug/Kg	1.0	1.0	U
Trichlorofluoromethane	ug/Kg	0.91	0.91	U
Acrolein (Propenal)	ug/Kg	6.6	6.6	U
1,1-Dichloroethylene	ug/Kg	1.2	1.2	U
Acrylonitrile	ug/Kg	5.2	5.2	U
Methylene Chloride	ug/Kg	2.8	2.8	U
trans-1,2-Dichloroethylene	ug/Kg	0.98	0.98	U
Methyl tert-butyl Ether (MTBE)	ug/Kg	1.1	1.1	U
1,1-Dichloroethane	ug/Kg	1.3	1.3	U
cis-1,2-Dichloroethylene	ug/Kg	1.4	1.4	U
Chloroform	ug/Kg	1.3	1.3	U
1,2-Dichloroethane	ug/Kg	1.4	1.4	U
1,1,1-Trichloroethane	ug/Kg	1.4	1.4	U
Carbon Tetrachloride	ug/Kg	1.4	1.4	U
Benzene	ug/Kg	1.2	1.2	U
1,2-Dichloropropane	ug/Kg	1.2	1.2	U
Trichloroethene	ug/Kg	1.0	1.0	U
Bromodichloromethane	ug/Kg	1.3	1.3	U
2-Chloroethyl Vinyl Ether	ug/Kg	0.76	0.76	U
cis-1,3-Dichloropropene	ug/Kg	1.1	1.1	U
trans-1,3-Dichloropropylene	ug/Kg	0.75	0.75	U
1,1,2-Trichloroethane	ug/Kg	1.3	1.3	U
Toluene	ug/Kg	1.4	1.4	U
Dibromochloromethane	ug/Kg	1.3	1.3	U
Tetrachloroethylene (PCE)	ug/Kg	1.2	1.2	U
Chlorobenzene	ug/Kg	1.4	1.4	U
Ethylbenzene	ug/Kg	1.1	1.1	U
Bromoform	ug/Kg	1.9	1.9	U
1,1,2,2-Tetrachloroethane	ug/Kg	2.0	2.0	U
1,3-Dichlorobenzene	ug/Kg	1.3	1.3	U
1,4-Dichlorobenzene	ug/Kg	1.1	1.1	U
1,2-Dichlorobenzene	ug/Kg	1.3	1.3	U
Xylene (Total)	ug/Kg	3.8	3.8	U
1,2-Dichloroethane-d4 (S)	%	92	69-134	

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QUALITY CONTROL DATA

Workorder: J1807540 FIND Offload Site

METHOD BLANK: 2773371

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Toluene-d8 (S)	%	97	72-122	
Bromofluorobenzene (S)	%	106	79-126	

QC Batch: EXTj/1926 Analysis Method: SW-846 8082A
QC Batch Method: SW-846 3550B Prepared: 07/16/2018 10:00
Associated Lab Samples: J1807540001, J1807540002, J1807540003, J1807540004

METHOD BLANK: 2776398

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
Aroclor 1016 (PCB-1016)	ug/Kg	6.1	6.1	U
Aroclor 1221 (PCB-1221)	ug/Kg	12	12	U
Aroclor 1232 (PCB-1232)	ug/Kg	29	29	U
Aroclor 1242 (PCB-1242)	ug/Kg	7.8	7.8	U
Aroclor 1248 (PCB-1248)	ug/Kg	21	21	U
Aroclor 1254 (PCB-1254)	ug/Kg	14	14	U
Aroclor 1260 (PCB-1260)	ug/Kg	7.0	7.0	U
Tetrachloro-m-xylene (S)	%	115	44-130	
Decachlorobiphenyl (S)	%	109	61-147	

QC Batch: EXTj/1930 Analysis Method: SW-846 8270C
QC Batch Method: SW-846 3550B Prepared: 07/16/2018 12:00
Associated Lab Samples: J1807540001, J1807540002, J1807540003, J1807540004

METHOD BLANK: 2776896

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
Phenol	mg/Kg	0.12	0.12	U
2-Chlorophenol	mg/Kg	0.090	0.090	U
2-Nitrophenol	mg/Kg	0.064	0.064	U
2,4-Dimethylphenol	mg/Kg	0.098	0.098	U
2,4-Dichlorophenol	mg/Kg	0.062	0.062	U
4-Chloro-3-methylphenol	mg/Kg	0.086	0.086	U
2,4,6-Trichlorophenol	mg/Kg	0.087	0.087	U
2,4-Dinitrophenol	mg/Kg	0.061	0.061	U
4-Nitrophenol	mg/Kg	0.14	0.14	U
2-Methyl-4,6-dinitrophenol	mg/Kg	0.068	0.068	U

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QUALITY CONTROL DATA

Workorder: J1807540 FIND Offload Site

METHOD BLANK: 2776896

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Pentachlorophenol	mg/Kg	0.058	0.058	U
N-Nitrosodimethylamine	mg/Kg	0.12	0.12	U
bis(2-Chloroethyl)Ether	mg/Kg	0.10	0.10	U
1,3-Dichlorobenzene	mg/Kg	0.095	0.095	U
1,4-Dichlorobenzene	mg/Kg	0.094	0.094	U
1,2-Dichlorobenzene	mg/Kg	0.098	0.098	U
bis(2-Chloroisopropyl) Ether	mg/Kg	0.10	0.10	U
N-Nitrosodi-n-propylamine	mg/Kg	0.026	0.026	U
Hexachloroethane	mg/Kg	0.095	0.095	U
Nitrobenzene	mg/Kg	0.14	0.14	U
Isophorone	mg/Kg	0.091	0.091	U
bis(2-Chloroethoxy)methane	mg/Kg	0.12	0.12	U
1,2,4-Trichlorobenzene	mg/Kg	0.059	0.059	U
Naphthalene	mg/Kg	0.0024	0.0024	U
Hexachlorobutadiene	mg/Kg	0.056	0.056	U
2-Methylnaphthalene	mg/Kg	0.0023	0.0023	U
1-Methylnaphthalene	mg/Kg	0.0023	0.0023	U
Hexachlorocyclopentadiene	mg/Kg	0.056	0.056	U
2-Chloronaphthalene	mg/Kg	0.11	0.11	U
Dimethyl phthalate	mg/Kg	0.10	0.10	U
2,6-Dinitrotoluene (2,6-DNT)	mg/Kg	0.079	0.079	U
Acenaphthylene	mg/Kg	0.0034	0.0034	U
Acenaphthene	mg/Kg	0.0026	0.0026	U
2,4-Dinitrotoluene (2,4-DNT)	mg/Kg	0.077	0.077	U
Diethyl phthalate	mg/Kg	0.12	0.12	U
Fluorene	mg/Kg	0.0029	0.0029	U
4-Chlorophenyl Phenyl Ether	mg/Kg	0.094	0.094	U
1,2-Diphenylhydrazine	mg/Kg	0.14	0.14	U
4-Bromophenyl Phenyl Ether	mg/Kg	0.080	0.080	U
Hexachlorobenzene	mg/Kg	0.082	0.082	U
Phenanthrene	mg/Kg	0.0031	0.0031	U
Anthracene	mg/Kg	0.0035	0.0035	U
Di-n-Butyl Phthalate	mg/Kg	0.16	0.16	U
Fluoranthene	mg/Kg	0.0038	0.0038	U
Benzidine	mg/Kg	0.036	0.036	U
Pyrene	mg/Kg	0.0041	0.0041	U
Butyl benzyl phthalate	mg/Kg	0.14	0.14	U
Benzo[a]anthracene	mg/Kg	0.0041	0.0041	U
3,3`-Dichlorobenzidine	mg/Kg	0.092	0.092	U
Chrysene	mg/Kg	0.0044	0.0044	U
bis(2-Ethylhexyl) phthalate	mg/Kg	0.13	0.13	U
Di-n-octyl Phthalate	mg/Kg	0.14	0.14	U
Benzo[b]fluoranthene	mg/Kg	0.0042	0.0042	U
Benzo[k]fluoranthene	mg/Kg	0.0040	0.0040	U
Benzo[a]pyrene	mg/Kg	0.0058	0.0058	U

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Phone: (904)363-9350
Fax: (904)363-9354

QUALITY CONTROL DATA

Workorder: J1807540 FIND Offload Site

METHOD BLANK: 2776896

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Indeno(1,2,3-cd)pyrene	mg/Kg	0.0038	0.0038	U
Dibenzo[a,h]anthracene	mg/Kg	0.0035	0.0035	U
Benzo[g,h,i]perylene	mg/Kg	0.0047	0.0047	U
N-Nitrosodiphenylamine	mg/Kg	0.088	0.088	U
2-Fluorophenol (S)	%	92	35-115	
Phenol-d6 (S)	%	107	33-122	
Nitrobenzene-d5 (S)	%	76	37-122	
2-Fluorobiphenyl (S)	%	81	44-115	
2,4,6-Tribromophenol (S)	%	94	39-132	
p-Terphenyl-d14 (S)	%	87	54-127	

QUALITY CONTROL DATA QUALIFIERS

Workorder: J1807540 FIND Offload Site

QUALITY CONTROL PARAMETER QUALIFIERS

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J4	Estimated Result
L	Off-scale high. Actual value could be more than the value given.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: J1807540 FIND Offload Site

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
J1807540001	DU-3/4-1			SM 2540G	WCAj/2433
J1807540002	DU-3/4-2			SM 2540G	WCAj/2433
J1807540003	DU-2-1			SM 2540G	WCAj/2433
J1807540004	DU-2-3			SM 2540G	WCAj/2433
J1807540001	DU-3/4-1	SW-846 3050B	DGMj/1807	SW-846 6010	ICPj/1365
J1807540002	DU-3/4-2	SW-846 3050B	DGMj/1807	SW-846 6010	ICPj/1365
J1807540003	DU-2-1	SW-846 3050B	DGMj/1807	SW-846 6010	ICPj/1365
J1807540004	DU-2-3	SW-846 3050B	DGMj/1807	SW-846 6010	ICPj/1365
J1807540001	DU-3/4-1	SW-846 7471A	DGMj/1808	SW-846 7471A	CVAj/1197
J1807540002	DU-3/4-2	SW-846 7471A	DGMj/1808	SW-846 7471A	CVAj/1197
J1807540003	DU-2-1	SW-846 7471A	DGMj/1808	SW-846 7471A	CVAj/1197
J1807540004	DU-2-3	SW-846 7471A	DGMj/1808	SW-846 7471A	CVAj/1197
J1807540001	DU-3/4-1	FL-PRO	EXTj/1915	FL-PRO	GCSj/1664
J1807540002	DU-3/4-2	FL-PRO	EXTj/1915	FL-PRO	GCSj/1664
J1807540003	DU-2-1	FL-PRO	EXTj/1915	FL-PRO	GCSj/1664
J1807540004	DU-2-3	FL-PRO	EXTj/1915	FL-PRO	GCSj/1664
J1807540001	DU-3/4-1	SW-846 5035	MSVj/2067	SW-846 8260B	MSVj/2068
J1807540002	DU-3/4-2	SW-846 5035	MSVj/2067	SW-846 8260B	MSVj/2068
J1807540003	DU-2-1	SW-846 5035	MSVj/2067	SW-846 8260B	MSVj/2068
J1807540004	DU-2-3	SW-846 5035	MSVj/2067	SW-846 8260B	MSVj/2068
J1807540001	DU-3/4-1	SW-846 3550B	EXTj/1926	SW-846 8082A	GCSj/1666
J1807540002	DU-3/4-2	SW-846 3550B	EXTj/1926	SW-846 8082A	GCSj/1666
J1807540003	DU-2-1	SW-846 3550B	EXTj/1926	SW-846 8082A	GCSj/1666
J1807540004	DU-2-3	SW-846 3550B	EXTj/1926	SW-846 8082A	GCSj/1666
J1807540001	DU-3/4-1	SW-846 3550B	EXTj/1930	SW-846 8270C	MSSj/1382
J1807540002	DU-3/4-2	SW-846 3550B	EXTj/1930	SW-846 8270C	MSSj/1382
J1807540003	DU-2-1	SW-846 3550B	EXTj/1930	SW-846 8270C	MSSj/1382

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: J1807540 FIND Offload Site

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
J1807540004	DU-2-3	SW-846 3550B	EXTj/1930	SW-846 8270C	MSSj/1382

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☐ Gainesville: 4965 SW 41st Blvd. • Gainesville, FL 32608 • 352.
☐ Jacksonville: 6681 Southpoint Pkwy. • Jacksonville, FL 32216
☐ Miramar: 10200 USA Today Way, Miramar, FL 33025 • 954.889.
☐ Tallahassee: 1288 Cedar Center Drive, Tallahassee, FL 32301
☐ Tampa: 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • Fax 813.630.4327

J1807540

Client Name:	Taylor Engineering
Address:	10151 Deerwood Park Blvd, Bldg 300, Suite 300
	Jacksonville, FL 32256
Phone:	904-731-7040
FAX:	
Contact:	William Warren
Sampled By:	WCA/WW
Turn Around Time:	■ STANDARD ☐ RUSH
Page_____ of _____	

Project Name: FIND Offload Site

P.O. Number/Project Number:

Project Location: FIND-JAX SITES

FDEP Facility No:

Project Name and Address:

Special Instructions: Jax Profile: 35369

☐ ADaPT ☐ EQuIS

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	8260 PP	8270 PP	8082 PCBs	FL-PRO	6010/7471 8 RCRA Metals+Boron						LABORATORY I.D. NUMBER
	BOTTLE SIZE & TYPE						ANALYSIS REQUIRED											
DV-3/4-1	WHITE SAND		7-9-18	11:30	SO	6		X	X	X	X	X						001
DV-3/4-2	WHITE SAND		7-9-18	1:45	SO	6		X	X	X	X	X						002
DV-2-1	White Sand		7/9/18	12:45	SO	6		X	X	X	X	X						003
~~DV-2-2~~			~~7/9/18~~		~~SO~~			X	X	X	X	X						
DV-2-3	White Sand		7/9/18	1:05		6		X	X	X	X	X						004
~~DV-2-4~~			~~7/9/18~~															

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge

Preservation Code: I = ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Received on Ice ☐ Yes ☐ No ☒ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temperature when received 4 (in degrees celcius)

DCN: AD-051 Form last revised 08/18/2014

Device used for measuring Temp by unique identifier (circle IR temp gun used) (J: 9A) G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V

	Relinquished by:	Date	Time	Received by:	Date	Time
1		7-10-18	9:20		7-10-18	9:20
2		7/10/18	9:20			
3						
4						

FOR DRINKING WATER USE:

(When PWS Information not otherwise supplied) PWS ID:_____

Contact Person:_____ Phone :_____

Supplier of Water:_____

Site-Address:_____

Advanced Environmental Labs Inc

Client: Taylor Engineering Project name: FEND Offload Site

Date/Time Rcvd: 7-10-18 9:20 Log-In request number: J1807540

Received by: BA Completed by: BA

Cooler/Shipping Information:

Courier: ☐ AEL ☒ Client ☐ UPS ☐ Blue Streak ☐ FedEx ☐ AES ☐ ASAP ☐ Other (describe): _____

Type: ☒ Cooler ☐ Box ☐ Other (describe) _____

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

Cooler ID					
Temp (°C)	4°C				
Temp taken from	☑ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler
Temp measured with	☑ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):

Other Information:

Any discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact?			✓
2. Were custody papers properly included with samples?	✓		
3. Were custody papers properly filled out (ink, signed, match labels)?	✓		
4. Did all bottles arrive in good condition (unbroken)?	✓		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	✓		
6. Did the sample labels agree with the chain of custody?	✓		
7. Were correct bottles used for the tests indicated?	✓		
8. Were proper sample preservation techniques indicated on the label?	✓		
9. Were samples received within holding times?	✓		
10. Were all VOA vials free of the presence of air bubbles?			✓
11. Have all Soil VOA Vials and Encores been placed in a freezer within 48 hours of collection?	✓		
12. Were samples in direct contact with wet ice? If "No," check one: ☐ NO ICE ☐ BLUE ICE	✓		
13. Was the cooler temperature less than 6°C?	✓		
14. Where pH preservation is required, are sample pHs checked and any anomalies recorded by Sample control? Are all <2 or >10? Note: VOA samples are checked by laboratory analysts.			✓
15. Was sufficient sample volume provided to perform all tests?	✓		
16. If for Bacteriological testing, were containers supplied by AEL? (See QA officer if answer is no)			✓
17. Were all sample containers provided by AEL? (Other than Bacteriological)	✓		
18. Were samples accepted into the laboratory?	✓		
19. When necessary to split samples into other bottles, is it noted in the comments?	✓		

Comments: (Note all sample(s) and container (s)" with a "No" checklist response in this comment section)

Fill vials not completely filled

DCN: AD-D048
Eff date 2/3/10, Last rev 9/6/16

Advanced Environmental Laboratories, Inc.

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Office (904) 363-9350
Fax (904) 363-9354

Project No.: J1807540

Client Name: Taylor Engineering

ProjectID: FIND Offload Site

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 8082A

Preparation: SW-846 3550B

IV. Preparation

All samples in batch GCSj:1666 were Florisil cleaned as per EPA method 3620C.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Surrogates: The upper control criterion was exceeded for the following surrogate in 2776400 (MS), J1807540003, and J1807540004: Tetrachloro-m-xylene. No target analytes were detected in the field samples. The spike recoveries in the MS were within QC acceptance criteria. The error associated with an elevated recovery equates to a high bias. The quality of the sample data is not significantly affected. The data were qualified to indicate potential sample matrix interference.

D. Spikes: All acceptance criteria were met.

E. Internal Standard:

F. Samples: Samples J1807540001, J1807540002, J1807540003, and J1807540004 were acid cleaned as per EPA method 3665a to remove matrix interferences.

G. Other:

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Project No.: J1807540

Client Name: Taylor Engineering

ProjectID: FIND Offload Site

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 8270C

Preparation: SW-846 3550B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: The upper control criterion was exceeded for several target analytes in Continuing Calibration Verification (CCV) standards for analytical batch 1382, indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.

B. Blanks: All acceptance criteria were met.

C. Surrogates:

D. Spikes: The spike recovery of 2,4-Dinitrotoluene (2,4-DNT) for the Laboratory Control Sample (LCS) was outside the upper control criterion. The analyte in question was not detected in the associated client samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was required.

E. Internal Standard:

F. Samples: Sample analyses proceeded normally.

G. Other:

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Project No.: J1807540

Client Name: Taylor Engineering

ProjectID: FIND Offload Site

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 8260B

Preparation: SW-846 5035

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Surrogates: All acceptance criteria were met.

D. Spikes: The spike recovery of 1,2,4-Trimethylbenzene for the Laboratory Control Sample Duplicate (LCSD) was outside the upper control criterion. The analyte in question was not detected in the associated client samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was required.

The matrix spike (MS) recoveries of Vinyl Chloroide and 1,1-Dichloroethylene for J1807540001 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The affected sample is J4 qualified to indicate matrix interference.

E. Internal Standard: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

August 21, 2020

Josh Johnson
Project Manager
Lone Wolf Resources, LLC
3415 Greystone Drive #104
Austin, TX 78731

Re: St. Johns Power Park – FIND Site Offloading
Sediment Sampling Reports. Duval County, Florida
Taylor Contract: C2018-045

Dear Mr. Johnson:

Taylor Engineering is pleased to submit the enclosed sediment chemistry laboratory testing results for sediments being offloaded from Florida Inland Navigation District's (FIND) Dredged Material Management Area (DMMA) DU-3/4 on Black Hammock Island, Duval County, Florida.

On August 11, 2020 Taylor Engineering collected three sediment samples from the excavation area at DMMA DU-3/4. Representative samples were collected from Cut-4, Cut-5, and Cut-6 of the excavation area along the current haul road on the north side of the site (**Attachment A**). From those sampling areas, composite samples were collected for chemical analyte testing in accordance with DEP-SOP-001/01 FS 4000 (Sediment Sampling) and transported to Advanced Environmental Laboratories (AEL) for laboratory testing. **Attachment B** contains the results provided by AEL. No chemical contaminants were detected in exceedance of Florida Soil Cleanup Target Levels. There were several volatile and non-volatile organic compounds which the AEL flagged as in exceedance of either groundwater leachability criteria or commercial/industrial cleanup criteria however, achievable laboratory method detection limits (MDL) for those compounds were higher than regulatory standards, indicating that the compounds were not detected within the practical quantitation limits of the laboratory instrumentation utilized.

If you need any additional information or have any questions, please contact me at (904) 731-7040 or baley@taylorengineering.com.

Sincerely,

William Aley, P.G.
Professional Geologist

ATTACHMENT A
Sample Location Map and Photos

CUT 7
CUT 6
CUT 5
CUT 4
CUT 3
CUT 2
CUT 1
3405
3404
3402
3401

CUT 6

CUT-4

ATTACHMENT B
Laboratory Analytical Results

Advanced Environmental Laboratories, Inc.

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Phone: (904)363-9350
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August 21, 2020

Bill Aley
Taylor Engineering
10199 Southside Blvd
Suite 310
Jacksonville, FL 32256

RE: Workorder: J2010971 FIND Offload Site

Dear Bill Aley:

Enclosed are the analytical results for sample(s) received by the laboratory on Tuesday, August 11, 2020. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

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

Sincerely,

Craig Myers - Client Services Manager
CMyers@AELLab.com

Enclosures

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SAMPLE SUMMARY

Workorder: J2010971 FIND Offload Site

Lab ID	Sample ID	Matrix	Date Collected	Date Received
J2010971001	CUT 4	Soil	8/11/2020 11:55	8/11/2020 12:53
J2010971002	CUT 5	Soil	8/11/2020 11:50	8/11/2020 12:53
J2010971003	CUT 6	Soil	8/11/2020 11:45	8/11/2020 12:53

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ANALYTICAL RESULTS

Workorder: J2010971 FIND Offload Site

Lab ID: **J2010971001** Date Received: 08/11/20 12:53 Matrix: Soil

Sample ID: **CUT 4** Date Collected: 08/11/20 11:55

Results for sample J2010971001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils	Preparation Method: SW-846 3050B Analytical Method: SW-846 6010							
Arsenic	**0.52**	**I**	**mg/Kg**	**1**	2.1	0.51	8/14/2020 12:20	J
Barium	**2.1**	**I**	**mg/Kg**	**1**	2.1	0.51	8/14/2020 12:20	J
Boron	**1.0**	**U**	**mg/Kg**	**1**	4.1	1.0	8/14/2020 12:20	J
Cadmium	**0.051**	**U**	**mg/Kg**	**1**	0.21	0.051	8/14/2020 12:20	J
Chromium	**1.1**		**mg/Kg**	**1**	0.82	0.21	8/14/2020 12:20	J
Lead	**0.77**	**I**	**mg/Kg**	**1**	2.1	0.51	8/14/2020 12:20	J
Selenium	**1.0**	**U**	**mg/Kg**	**1**	4.1	1.0	8/14/2020 12:20	J
Silver	**0.21**	**U**	**mg/Kg**	**1**	0.82	0.21	8/14/2020 12:20	J
Analysis Desc: SW846 7471A Analysis, Soil	Preparation Method: SW-846 7471A Analytical Method: SW-846 7471A							
Mercury	**0.0013**	**I**	**mg/Kg**	**1**	0.0050	0.0012	8/12/2020 15:50	J
SEMIVOLATILES								
Analysis Desc: FL-PRO Analysis, Soil	Preparation Method: FL-PRO Analytical Method: FL-PRO							
TPH	**31**	**I**	**mg/Kg**	**1**	32	19	8/20/2020 21:13	J
o-Terphenyl (S)	**115**		**%**	**1**	66-136		8/20/2020 21:13	
Nonatricontane-C39 (S)	**140**	**J4**	**%**	**1**	36-132		8/20/2020 21:13	
Analysis Desc: 8082A PCB Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8082A							
Aroclor 1016 (PCB-1016)	**0.015**	**U**	**mg/Kg**	**1**	0.033	0.015	8/17/2020 20:55	M
Aroclor 1221 (PCB-1221)	**0.023**	**U**	**mg/Kg**	**1**	0.033	0.023	8/17/2020 20:55	M
Aroclor 1232 (PCB-1232)	**0.031**	**U**	**mg/Kg**	**1**	0.033	0.031	8/17/2020 20:55	M
Aroclor 1242 (PCB-1242)	**0.025**	**U**	**mg/Kg**	**1**	0.033	0.025	8/17/2020 20:55	M
Aroclor 1248 (PCB-1248)	**0.012**	**U**	**mg/Kg**	**1**	0.033	0.012	8/17/2020 20:55	M
Aroclor 1254 (PCB-1254)	**0.0066**	**U**	**mg/Kg**	**1**	0.033	0.0066	8/17/2020 20:55	M
Aroclor 1260 (PCB-1260)	**0.0040**	**U**	**mg/Kg**	**1**	0.033	0.0040	8/17/2020 20:55	M
Tetrachloro-m-xylene (S)	**130**		**%**	**1**	44-130		8/17/2020 20:55	
Decachlorobiphenyl (S)	**95**		**%**	**1**	61-147		8/17/2020 20:55	
Analysis Desc: 8270C Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8270C							
1,2,4-Trichlorobenzene	**0.012**	**U**	**mg/Kg**	**1**	0.21	0.012	8/17/2020 11:52	M

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Fax: (904)363-9354

ANALYTICAL RESULTS

Workorder: J2010971 FIND Offload Site

Lab ID: **J2010971001** Date Received: 08/11/20 12:53 Matrix: Soil

Sample ID: **CUT 4** Date Collected: 08/11/20 11:55

Results for sample J2010971001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,2-Dichlorobenzene	**0.023**	**U**	**mg/Kg**	**1**	0.21	0.023	8/17/2020 11:52	M
1,2-Diphenylhydrazine	**0.021**	**U**	**mg/Kg**	**1**	0.21	0.021	8/17/2020 11:52	M
1,3-Dichlorobenzene	**0.023**	**U**	**mg/Kg**	**1**	0.21	0.023	8/17/2020 11:52	M
1,4-Dichlorobenzene	**0.031**	**U**	**mg/Kg**	**1**	0.21	0.031	8/17/2020 11:52	M
1-Methylnaphthalene	**0.022**	**U**	**mg/Kg**	**1**	0.21	0.022	8/17/2020 11:52	M
2,4,6-Trichlorophenol	**0.021**	**U**	**mg/Kg**	**1**	0.21	0.021	8/17/2020 11:52	M
2,4-Dichlorophenol	**0.033**	**U**	**mg/Kg**	**1**	0.21	0.033	8/17/2020 11:52	M
2,4-Dimethylphenol	**0.045**	**U**	**mg/Kg**	**1**	0.21	0.045	8/17/2020 11:52	M
2,4-Dinitrophenol	**0.047**	**U**	**mg/Kg**	**1**	0.21	0.047	8/17/2020 11:52	M
2,4-Dinitrotoluene (2,4-DNT)	**0.026**	**U**	**mg/Kg**	**1**	0.21	0.026	8/17/2020 11:52	M
2,6-Dinitrotoluene (2,6-DNT)	**0.031**	**U**	**mg/Kg**	**1**	0.21	0.031	8/17/2020 11:52	M
2-Chloronaphthalene	**0.054**	**U**	**mg/Kg**	**1**	0.21	0.054	8/17/2020 11:52	M
2-Chlorophenol	**0.038**	**U**	**mg/Kg**	**1**	0.21	0.038	8/17/2020 11:52	M
2-Methyl-4,6-dinitrophenol	**0.023**	**U**	**mg/Kg**	**1**	0.21	0.023	8/17/2020 11:52	M
2-Methylnaphthalene	**0.053**	**U**	**mg/Kg**	**1**	0.21	0.053	8/17/2020 11:52	M
2-Nitrophenol	**0.033**	**U**	**mg/Kg**	**1**	0.21	0.033	8/17/2020 11:52	M
3,3`-Dichlorobenzidine	**0.041**	**U**	**mg/Kg**	**1**	0.21	0.041	8/17/2020 11:52	M
4-Bromophenyl Phenyl Ether	**0.040**	**U**	**mg/Kg**	**1**	0.21	0.040	8/17/2020 11:52	M
4-Chloro-3-methylphenol	**0.022**	**U**	**mg/Kg**	**1**	0.21	0.022	8/17/2020 11:52	M
4-Chlorophenyl Phenyl Ether	**0.028**	**U**	**mg/Kg**	**1**	0.21	0.028	8/17/2020 11:52	M
4-Nitrophenol	**0.042**	**U**	**mg/Kg**	**1**	0.21	0.042	8/17/2020 11:52	M
Acenaphthene	**0.028**	**U**	**mg/Kg**	**1**	0.21	0.028	8/17/2020 11:52	M
Acenaphthylene	**0.028**	**U**	**mg/Kg**	**1**	0.21	0.028	8/17/2020 11:52	M
Anthracene	**0.022**	**U**	**mg/Kg**	**1**	0.21	0.022	8/17/2020 11:52	M
Benzidine	**0.037**	**U**	**mg/Kg**	**1**	0.21	0.037	8/17/2020 11:52	M
Benzo[a]anthracene	**0.026**	**U**	**mg/Kg**	**1**	0.21	0.026	8/17/2020 11:52	M
Benzo[a]pyrene	**0.027**	**U**	**mg/Kg**	**1**	0.21	0.027	8/17/2020 11:52	M
Benzo[b]fluoranthene	**0.032**	**U**	**mg/Kg**	**1**	0.21	0.032	8/17/2020 11:52	M
Benzo[g,h,i]perylene	**0.032**	**U**	**mg/Kg**	**1**	0.21	0.032	8/17/2020 11:52	M
Benzo[k]fluoranthene	**0.036**	**U**	**mg/Kg**	**1**	0.21	0.036	8/17/2020 11:52	M
Butyl benzyl phthalate	**0.067**	**U**	**mg/Kg**	**1**	0.21	0.067	8/17/2020 11:52	M
Chrysene	**0.029**	**U**	**mg/Kg**	**1**	0.21	0.029	8/17/2020 11:52	M
Di-n-Butyl Phthalate	**0.041**	**U**	**mg/Kg**	**1**	0.21	0.041	8/17/2020 11:52	M
Di-n-octyl Phthalate	**0.054**	**U**	**mg/Kg**	**1**	0.21	0.054	8/17/2020 11:52	M
Dibenzo[a,h]anthracene	**0.035**	**U**	**mg/Kg**	**1**	0.21	0.035	8/17/2020 11:52	M
Diethyl phthalate	**0.030**	**U**	**mg/Kg**	**1**	0.21	0.030	8/17/2020 11:52	M
Dimethyl phthalate	**0.025**	**U**	**mg/Kg**	**1**	0.21	0.025	8/17/2020 11:52	M
Fluoranthene	**0.024**	**U**	**mg/Kg**	**1**	0.21	0.024	8/17/2020 11:52	M
Fluorene	**0.023**	**U**	**mg/Kg**	**1**	0.21	0.023	8/17/2020 11:52	M
Hexachlorobenzene	**0.030**	**U**	**mg/Kg**	**1**	0.21	0.030	8/17/2020 11:52	M

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ANALYTICAL RESULTS

Workorder: J2010971 FIND Offload Site

Lab ID: **J2010971001** Date Received: 08/11/20 12:53 Matrix: Soil

Sample ID: **CUT 4** Date Collected: 08/11/20 11:55

Results for sample J2010971001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Hexachlorobutadiene	**0.028**	**U**	**mg/Kg**	**1**	0.21	0.028	8/17/2020 11:52	M
Hexachlorocyclopentadiene	**0.029**	**U**	**mg/Kg**	**1**	0.21	0.029	8/17/2020 11:52	M
Hexachloroethane	**0.028**	**U**	**mg/Kg**	**1**	0.21	0.028	8/17/2020 11:52	M
Indeno(1,2,3-cd)pyrene	**0.030**	**U**	**mg/Kg**	**1**	0.21	0.030	8/17/2020 11:52	M
Isophorone	**0.022**	**U**	**mg/Kg**	**1**	0.21	0.022	8/17/2020 11:52	M
N-Nitrosodi-n-propylamine	**0.023**	**U**	**mg/Kg**	**1**	0.21	0.023	8/17/2020 11:52	M
N-Nitrosodimethylamine	**0.021**	**U**	**mg/Kg**	**1**	0.21	0.021	8/17/2020 11:52	M
N-Nitrosodiphenylamine	**0.076**	**U**	**mg/Kg**	**1**	0.21	0.076	8/17/2020 11:52	M
Naphthalene	**0.021**	**U**	**mg/Kg**	**1**	0.21	0.021	8/17/2020 11:52	M
Nitrobenzene	**0.033**	**U**	**mg/Kg**	**1**	0.21	0.033	8/17/2020 11:52	M
Pentachlorophenol	**0.036**	**U**	**mg/Kg**	**1**	0.21	0.036	8/17/2020 11:52	M
Phenanthrene	**0.022**	**U**	**mg/Kg**	**1**	0.21	0.022	8/17/2020 11:52	M
Phenol	**0.039**	**U**	**mg/Kg**	**1**	0.21	0.039	8/17/2020 11:52	M
Pyrene	**0.035**	**U**	**mg/Kg**	**1**	0.21	0.035	8/17/2020 11:52	M
bis(2-Chloroethoxy)methane	**0.025**	**U**	**mg/Kg**	**1**	0.21	0.025	8/17/2020 11:52	M
bis(2-Chloroethyl)Ether	**0.13**	**U**	**mg/Kg**	**1**	0.21	0.13	8/17/2020 11:52	M
bis(2-Chloroisopropyl) Ether	**0.13**	**U**	**mg/Kg**	**1**	0.21	0.13	8/17/2020 11:52	M
bis(2-Ethylhexyl) phthalate	**0.067**	**U**	**mg/Kg**	**1**	0.21	0.067	8/17/2020 11:52	M
2-Fluorophenol (S)	**52**		**%**	**1**	35-115		8/17/2020 11:52	
Phenol-d6 (S)	**63**		**%**	**1**	33-122		8/17/2020 11:52	
Nitrobenzene-d5 (S)	**51**		**%**	**1**	37-122		8/17/2020 11:52	
2-Fluorobiphenyl (S)	**64**		**%**	**1**	44-115		8/17/2020 11:52	
2,4,6-Tribromophenol (S)	**68**		**%**	**1**	39-132		8/17/2020 11:52	
p-Terphenyl-d14 (S)	**60**		**%**	**1**	54-127		8/17/2020 11:52	

VOLATILES

Analysis Desc: 8260B VOCs Analysis, Soil — Preparation Method: SW-846 5035; Analytical Method: SW-846 8260B

1,1,1-Trichloroethane	**0.0013**	**U**	**mg/Kg**	**1**	0.0027	0.0013	8/12/2020 19:50	J
1,1,2,2-Tetrachloroethane	**0.0018**	**U**	**mg/Kg**	**1**	0.0027	0.0018	8/12/2020 19:50	J
1,1,2-Trichloroethane	**0.0012**	**U**	**mg/Kg**	**1**	0.0027	0.0012	8/12/2020 19:50	J
1,1-Dichloroethane	**0.0012**	**U**	**mg/Kg**	**1**	0.0027	0.0012	8/12/2020 19:50	J
1,1-Dichloroethylene	**0.0011**	**U**	**mg/Kg**	**1**	0.0027	0.0011	8/12/2020 19:50	J
1,2-Dichlorobenzene	**0.0012**	**U**	**mg/Kg**	**1**	0.0027	0.0012	8/12/2020 19:50	J
1,2-Dichloroethane	**0.0013**	**U**	**mg/Kg**	**1**	0.0027	0.0013	8/12/2020 19:50	J
1,2-Dichloropropane	**0.0011**	**U**	**mg/Kg**	**1**	0.0027	0.0011	8/12/2020 19:50	J
1,3-Dichlorobenzene	**0.0012**	**U**	**mg/Kg**	**1**	0.0027	0.0012	8/12/2020 19:50	J
1,4-Dichlorobenzene	**0.0010**	**U**	**mg/Kg**	**1**	0.0027	0.0010	8/12/2020 19:50	J
2-Chloroethyl Vinyl Ether	**0.00070**	**U**	**mg/Kg**	**1**	0.0046	0.00070	8/12/2020 19:50	J

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ANALYTICAL RESULTS

Workorder: J2010971 FIND Offload Site

Lab ID: **J2010971001** Date Received: 08/11/20 12:53 Matrix: Soil

Sample ID: **CUT 4** Date Collected: 08/11/20 11:55

Results for sample J2010971001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Acrolein (Propenal)	**0.0060**	**U**	**mg/Kg**	**1**	0.014	0.0060	8/12/2020 19:50	J
Acrylonitrile	**0.0047**	**U**	**mg/Kg**	**1**	0.014	0.0047	8/12/2020 19:50	J
Benzene	**0.0011**	**U**	**mg/Kg**	**1**	0.0027	0.0011	8/12/2020 19:50	J
Bromodichloromethane	**0.0012**	**U**	**mg/Kg**	**1**	0.0027	0.0012	8/12/2020 19:50	J
Bromoform	**0.0018**	**U**	**mg/Kg**	**1**	0.0046	0.0018	8/12/2020 19:50	J
Bromomethane	**0.0012**	**U**	**mg/Kg**	**1**	0.0027	0.0012	8/12/2020 19:50	J
Carbon Tetrachloride	**0.0013**	**U**	**mg/Kg**	**1**	0.0027	0.0013	8/12/2020 19:50	J
Chlorobenzene	**0.0013**	**U**	**mg/Kg**	**1**	0.0027	0.0013	8/12/2020 19:50	J
Chloroethane	**0.00092**	**U**	**mg/Kg**	**1**	0.0027	0.00092	8/12/2020 19:50	J
Chloroform	**0.0012**	**U**	**mg/Kg**	**1**	0.0027	0.0012	8/12/2020 19:50	J
Chloromethane	**0.00093**	**U**	**mg/Kg**	**1**	0.0027	0.00093	8/12/2020 19:50	J
Dibromochloromethane	**0.0012**	**U**	**mg/Kg**	**1**	0.0027	0.0012	8/12/2020 19:50	J
Dichlorodifluoromethane	**0.00077**	**U**	**mg/Kg**	**1**	0.0027	0.00077	8/12/2020 19:50	J
Ethylbenzene	**0.0010**	**U**	**mg/Kg**	**1**	0.0027	0.0010	8/12/2020 19:50	J
Methyl tert-butyl Ether (MTBE)	**0.0010**	**U**	**mg/Kg**	**1**	0.0027	0.0010	8/12/2020 19:50	J
Methylene Chloride	**0.0026**	**U**	**mg/Kg**	**1**	0.0092	0.0026	8/12/2020 19:50	J
Tetrachloroethylene (PCE)	**0.0011**	**U**	**mg/Kg**	**1**	0.0027	0.0011	8/12/2020 19:50	J
Toluene	**0.0013**	**U**	**mg/Kg**	**1**	0.0027	0.0013	8/12/2020 19:50	J
Trichloroethene	**0.00093**	**U**	**mg/Kg**	**1**	0.0027	0.00093	8/12/2020 19:50	J
Trichlorofluoromethane	**0.00083**	**U**	**mg/Kg**	**1**	0.0027	0.00083	8/12/2020 19:50	J
Vinyl Chloride	**0.0011**	**U**	**mg/Kg**	**1**	0.0027	0.0011	8/12/2020 19:50	J
Xylene (Total)	**0.0035**	**U**	**mg/Kg**	**1**	0.0082	0.0035	8/12/2020 19:50	J
cis-1,2-Dichloroethylene	**0.0013**	**U**	**mg/Kg**	**1**	0.0027	0.0013	8/12/2020 19:50	J
cis-1,3-Dichloropropene	**0.00097**	**U**	**mg/Kg**	**1**	0.0027	0.00097	8/12/2020 19:50	J
trans-1,2-Dichloroethylene	**0.00090**	**U**	**mg/Kg**	**1**	0.0027	0.00090	8/12/2020 19:50	J
trans-1,3-Dichloropropylene	**0.00069**	**U**	**mg/Kg**	**1**	0.0027	0.00069	8/12/2020 19:50	J
1,2-Dichloroethane-d4 (S)	**83**		**%**	**1**	69-134		8/12/2020 19:50	
Toluene-d8 (S)	**96**		**%**	**1**	72-122		8/12/2020 19:50	
Bromofluorobenzene (S)	**94**		**%**	**1**	79-126		8/12/2020 19:50	

VOLATILES

Analysis Desc: Percent Solids,SM2540G,Soil	Analytical Method: SM 2540G							
Percent Moisture	**5.9**		**%**	**1**	0.0010	0.0010	8/14/2020 10:45	J

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ANALYTICAL RESULTS

Workorder: J2010971 FIND Offload Site

Lab ID: **J2010971002** Date Received: 08/11/20 12:53 Matrix: Soil

Sample ID: **CUT 5** Date Collected: 08/11/20 11:50

Results for sample J2010971002 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils	Preparation Method: SW-846 3050B Analytical Method: SW-846 6010							
Arsenic	**0.53**	**U**	**mg/Kg**	**1**	2.1	0.53	8/14/2020 12:25	J
Barium	**2.4**		**mg/Kg**	**1**	2.1	0.53	8/14/2020 12:25	J
Boron	**1.1**	**U**	**mg/Kg**	**1**	4.2	1.1	8/14/2020 12:25	J
Cadmium	**0.053**	**U**	**mg/Kg**	**1**	0.21	0.053	8/14/2020 12:25	J
Chromium	**1.3**		**mg/Kg**	**1**	0.84	0.21	8/14/2020 12:25	J
Lead	**1.1**	**I**	**mg/Kg**	**1**	2.1	0.53	8/14/2020 12:25	J
Selenium	**1.1**	**U**	**mg/Kg**	**1**	4.2	1.1	8/14/2020 12:25	J
Silver	**0.21**	**U**	**mg/Kg**	**1**	0.84	0.21	8/14/2020 12:25	J
Analysis Desc: SW846 7471A Analysis, Soil	Preparation Method: SW-846 7471A Analytical Method: SW-846 7471A							
Mercury	**0.0026**	**I**	**mg/Kg**	**1**	0.0052	0.0013	8/12/2020 16:05	J
SEMIVOLATILES								
Analysis Desc: FL-PRO Analysis, Soil	Preparation Method: FL-PRO Analytical Method: FL-PRO							
TPH	**38**		**mg/Kg**	**1**	22	12	8/20/2020 21:44	J
o-Terphenyl (S)	**115**		**%**	**1**	66-136		8/20/2020 21:44	
Nonatricontane-C39 (S)	**120**		**%**	**1**	36-132		8/20/2020 21:44	
Analysis Desc: 8082A PCB Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8082A							
Aroclor 1016 (PCB-1016)	**0.015**	**U**	**mg/Kg**	**1**	0.033	0.015	8/17/2020 22:20	M
Aroclor 1221 (PCB-1221)	**0.023**	**U**	**mg/Kg**	**1**	0.033	0.023	8/17/2020 22:20	M
Aroclor 1232 (PCB-1232)	**0.031**	**U**	**mg/Kg**	**1**	0.033	0.031	8/17/2020 22:20	M
Aroclor 1242 (PCB-1242)	**0.024**	**U**	**mg/Kg**	**1**	0.033	0.024	8/17/2020 22:20	M
Aroclor 1248 (PCB-1248)	**0.012**	**U**	**mg/Kg**	**1**	0.033	0.012	8/17/2020 22:20	M
Aroclor 1254 (PCB-1254)	**0.0065**	**U**	**mg/Kg**	**1**	0.033	0.0065	8/17/2020 22:20	M
Aroclor 1260 (PCB-1260)	**0.0039**	**U**	**mg/Kg**	**1**	0.033	0.0039	8/17/2020 22:20	M
Tetrachloro-m-xylene (S)	**132**	**J4**	**%**	**1**	44-130		8/17/2020 22:20	
Decachlorobiphenyl (S)	**114**		**%**	**1**	61-147		8/17/2020 22:20	
Analysis Desc: 8270C Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8270C							
1,2,4-Trichlorobenzene	**0.013**	**U**	**mg/Kg**	**1**	0.21	0.013	8/17/2020 12:28	M

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ANALYTICAL RESULTS

Workorder: J2010971 FIND Offload Site

Lab ID: **J2010971002** Date Received: 08/11/20 12:53 Matrix: Soil

Sample ID: **CUT 5** Date Collected: 08/11/20 11:50

Results for sample J2010971002 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,2-Dichlorobenzene	**0.023**	**U**	**mg/Kg**	**1**	0.21	0.023	8/17/2020 12:28	M
1,2-Diphenylhydrazine	**0.021**	**U**	**mg/Kg**	**1**	0.21	0.021	8/17/2020 12:28	M
1,3-Dichlorobenzene	**0.024**	**U**	**mg/Kg**	**1**	0.21	0.024	8/17/2020 12:28	M
1,4-Dichlorobenzene	**0.032**	**U**	**mg/Kg**	**1**	0.21	0.032	8/17/2020 12:28	M
1-Methylnaphthalene	**0.023**	**U**	**mg/Kg**	**1**	0.21	0.023	8/17/2020 12:28	M
2,4,6-Trichlorophenol	**0.021**	**U**	**mg/Kg**	**1**	0.21	0.021	8/17/2020 12:28	M
2,4-Dichlorophenol	**0.034**	**U**	**mg/Kg**	**1**	0.21	0.034	8/17/2020 12:28	M
2,4-Dimethylphenol	**0.046**	**U**	**mg/Kg**	**1**	0.21	0.046	8/17/2020 12:28	M
2,4-Dinitrophenol	**0.048**	**U**	**mg/Kg**	**1**	0.21	0.048	8/17/2020 12:28	M
2,4-Dinitrotoluene (2,4-DNT)	**0.026**	**U**	**mg/Kg**	**1**	0.21	0.026	8/17/2020 12:28	M
2,6-Dinitrotoluene (2,6-DNT)	**0.032**	**U**	**mg/Kg**	**1**	0.21	0.032	8/17/2020 12:28	M
2-Chloronaphthalene	**0.055**	**U**	**mg/Kg**	**1**	0.21	0.055	8/17/2020 12:28	M
2-Chlorophenol	**0.039**	**U**	**mg/Kg**	**1**	0.21	0.039	8/17/2020 12:28	M
2-Methyl-4,6-dinitrophenol	**0.023**	**U**	**mg/Kg**	**1**	0.21	0.023	8/17/2020 12:28	M
2-Methylnaphthalene	**0.054**	**U**	**mg/Kg**	**1**	0.21	0.054	8/17/2020 12:28	M
2-Nitrophenol	**0.033**	**U**	**mg/Kg**	**1**	0.21	0.033	8/17/2020 12:28	M
3,3`-Dichlorobenzidine	**0.042**	**U**	**mg/Kg**	**1**	0.21	0.042	8/17/2020 12:28	M
4-Bromophenyl Phenyl Ether	**0.040**	**U**	**mg/Kg**	**1**	0.21	0.040	8/17/2020 12:28	M
4-Chloro-3-methylphenol	**0.023**	**U**	**mg/Kg**	**1**	0.21	0.023	8/17/2020 12:28	M
4-Chlorophenyl Phenyl Ether	**0.028**	**U**	**mg/Kg**	**1**	0.21	0.028	8/17/2020 12:28	M
4-Nitrophenol	**0.043**	**U**	**mg/Kg**	**1**	0.21	0.043	8/17/2020 12:28	M
Acenaphthene	**0.029**	**U**	**mg/Kg**	**1**	0.21	0.029	8/17/2020 12:28	M
Acenaphthylene	**0.029**	**U**	**mg/Kg**	**1**	0.21	0.029	8/17/2020 12:28	M
Anthracene	**0.022**	**U**	**mg/Kg**	**1**	0.21	0.022	8/17/2020 12:28	M
Benzidine	**0.038**	**U**	**mg/Kg**	**1**	0.21	0.038	8/17/2020 12:28	M
Benzo[a]anthracene	**0.027**	**U**	**mg/Kg**	**1**	0.21	0.027	8/17/2020 12:28	M
Benzo[a]pyrene	**0.027**	**U**	**mg/Kg**	**1**	0.21	0.027	8/17/2020 12:28	M
Benzo[b]fluoranthene	**0.032**	**U**	**mg/Kg**	**1**	0.21	0.032	8/17/2020 12:28	M
Benzo[g,h,i]perylene	**0.033**	**U**	**mg/Kg**	**1**	0.21	0.033	8/17/2020 12:28	M
Benzo[k]fluoranthene	**0.037**	**U**	**mg/Kg**	**1**	0.21	0.037	8/17/2020 12:28	M
Butyl benzyl phthalate	**0.069**	**U**	**mg/Kg**	**1**	0.21	0.069	8/17/2020 12:28	M
Chrysene	**0.029**	**U**	**mg/Kg**	**1**	0.21	0.029	8/17/2020 12:28	M
Di-n-Butyl Phthalate	**0.042**	**U**	**mg/Kg**	**1**	0.21	0.042	8/17/2020 12:28	M
Di-n-octyl Phthalate	**0.055**	**U**	**mg/Kg**	**1**	0.21	0.055	8/17/2020 12:28	M
Dibenzo[a,h]anthracene	**0.035**	**U**	**mg/Kg**	**1**	0.21	0.035	8/17/2020 12:28	M
Diethyl phthalate	**0.031**	**U**	**mg/Kg**	**1**	0.21	0.031	8/17/2020 12:28	M
Dimethyl phthalate	**0.025**	**U**	**mg/Kg**	**1**	0.21	0.025	8/17/2020 12:28	M
Fluoranthene	**0.024**	**U**	**mg/Kg**	**1**	0.21	0.024	8/17/2020 12:28	M
Fluorene	**0.024**	**U**	**mg/Kg**	**1**	0.21	0.024	8/17/2020 12:28	M
Hexachlorobenzene	**0.031**	**U**	**mg/Kg**	**1**	0.21	0.031	8/17/2020 12:28	M

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ANALYTICAL RESULTS

Workorder: J2010971 FIND Offload Site

Lab ID: **J2010971002** Date Received: 08/11/20 12:53 Matrix: Soil

Sample ID: **CUT 5** Date Collected: 08/11/20 11:50

Results for sample J2010971002 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Hexachlorobutadiene	**0.028**	**U**	**mg/Kg**	**1**	0.21	0.028	8/17/2020 12:28	M
Hexachlorocyclopentadiene	**0.030**	**U**	**mg/Kg**	**1**	0.21	0.030	8/17/2020 12:28	M
Hexachloroethane	**0.029**	**U**	**mg/Kg**	**1**	0.21	0.029	8/17/2020 12:28	M
Indeno(1,2,3-cd)pyrene	**0.030**	**U**	**mg/Kg**	**1**	0.21	0.030	8/17/2020 12:28	M
Isophorone	**0.023**	**U**	**mg/Kg**	**1**	0.21	0.023	8/17/2020 12:28	M
N-Nitrosodi-n-propylamine	**0.023**	**U**	**mg/Kg**	**1**	0.21	0.023	8/17/2020 12:28	M
N-Nitrosodimethylamine	**0.021**	**U**	**mg/Kg**	**1**	0.21	0.021	8/17/2020 12:28	M
N-Nitrosodiphenylamine	**0.078**	**U**	**mg/Kg**	**1**	0.21	0.078	8/17/2020 12:28	M
Naphthalene	**0.021**	**U**	**mg/Kg**	**1**	0.21	0.021	8/17/2020 12:28	M
Nitrobenzene	**0.034**	**U**	**mg/Kg**	**1**	0.21	0.034	8/17/2020 12:28	M
Pentachlorophenol	**0.037**	**U**	**mg/Kg**	**1**	0.21	0.037	8/17/2020 12:28	M
Phenanthrene	**0.022**	**U**	**mg/Kg**	**1**	0.21	0.022	8/17/2020 12:28	M
Phenol	**0.039**	**U**	**mg/Kg**	**1**	0.21	0.039	8/17/2020 12:28	M
Pyrene	**0.036**	**U**	**mg/Kg**	**1**	0.21	0.036	8/17/2020 12:28	M
bis(2-Chloroethoxy)methane	**0.025**	**U**	**mg/Kg**	**1**	0.21	0.025	8/17/2020 12:28	M
bis(2-Chloroethyl)Ether	**0.13**	**U**	**mg/Kg**	**1**	0.21	0.13	8/17/2020 12:28	M
bis(2-Chloroisopropyl) Ether	**0.13**	**U**	**mg/Kg**	**1**	0.21	0.13	8/17/2020 12:28	M
bis(2-Ethylhexyl) phthalate	**0.068**	**U**	**mg/Kg**	**1**	0.21	0.068	8/17/2020 12:28	M
2-Fluorophenol (S)	**55**		**%**	**1**	35-115		8/17/2020 12:28	
Phenol-d6 (S)	**67**		**%**	**1**	33-122		8/17/2020 12:28	
Nitrobenzene-d5 (S)	**59**		**%**	**1**	37-122		8/17/2020 12:28	
2-Fluorobiphenyl (S)	**67**		**%**	**1**	44-115		8/17/2020 12:28	
2,4,6-Tribromophenol (S)	**73**		**%**	**1**	39-132		8/17/2020 12:28	
p-Terphenyl-d14 (S)	**62**		**%**	**1**	54-127		8/17/2020 12:28	

VOLATILES

Analysis Desc: 8260B VOCs Analysis, Soil — Preparation Method: SW-846 5035; Analytical Method: SW-846 8260B

1,1,1-Trichloroethane	**0.0012**	**U**	**mg/Kg**	**1**	0.0025	0.0012	8/12/2020 20:18	J
1,1,2,2-Tetrachloroethane	**0.0017**	**U**	**mg/Kg**	**1**	0.0025	0.0017	8/12/2020 20:18	J
1,1,2-Trichloroethane	**0.0011**	**U**	**mg/Kg**	**1**	0.0025	0.0011	8/12/2020 20:18	J
1,1-Dichloroethane	**0.0011**	**U**	**mg/Kg**	**1**	0.0025	0.0011	8/12/2020 20:18	J
1,1-Dichloroethylene	**0.0010**	**U**	**mg/Kg**	**1**	0.0025	0.0010	8/12/2020 20:18	J
1,2-Dichlorobenzene	**0.0011**	**U**	**mg/Kg**	**1**	0.0025	0.0011	8/12/2020 20:18	J
1,2-Dichloroethane	**0.0012**	**U**	**mg/Kg**	**1**	0.0025	0.0012	8/12/2020 20:18	J
1,2-Dichloropropane	**0.0010**	**U**	**mg/Kg**	**1**	0.0025	0.0010	8/12/2020 20:18	J
1,3-Dichlorobenzene	**0.0011**	**U**	**mg/Kg**	**1**	0.0025	0.0011	8/12/2020 20:18	J
1,4-Dichlorobenzene	**0.00096**	**U**	**mg/Kg**	**1**	0.0025	0.00096	8/12/2020 20:18	J
2-Chloroethyl Vinyl Ether	**0.00064**	**U**	**mg/Kg**	**1**	0.0042	0.00064	8/12/2020 20:18	J

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ANALYTICAL RESULTS

Workorder: J2010971 FIND Offload Site

Lab ID: **J2010971002** Date Received: 08/11/20 12:53 Matrix: Soil

Sample ID: **CUT 5** Date Collected: 08/11/20 11:50

Results for sample J2010971002 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Acrolein (Propenal)	**0.0055**	**U**	**mg/Kg**	**1**	0.013	0.0055	8/12/2020 20:18	J
Acrylonitrile	**0.0043**	**U**	**mg/Kg**	**1**	0.013	0.0043	8/12/2020 20:18	J
Benzene	**0.0010**	**U**	**mg/Kg**	**1**	0.0025	0.0010	8/12/2020 20:18	J
Bromodichloromethane	**0.0011**	**U**	**mg/Kg**	**1**	0.0025	0.0011	8/12/2020 20:18	J
Bromoform	**0.0016**	**U**	**mg/Kg**	**1**	0.0042	0.0016	8/12/2020 20:18	J
Bromomethane	**0.0011**	**U**	**mg/Kg**	**1**	0.0025	0.0011	8/12/2020 20:18	J
Carbon Tetrachloride	**0.0012**	**U**	**mg/Kg**	**1**	0.0025	0.0012	8/12/2020 20:18	J
Chlorobenzene	**0.0012**	**U**	**mg/Kg**	**1**	0.0025	0.0012	8/12/2020 20:18	J
Chloroethane	**0.00084**	**U**	**mg/Kg**	**1**	0.0025	0.00084	8/12/2020 20:18	J
Chloroform	**0.0011**	**U**	**mg/Kg**	**1**	0.0025	0.0011	8/12/2020 20:18	J
Chloromethane	**0.00086**	**U**	**mg/Kg**	**1**	0.0025	0.00086	8/12/2020 20:18	J
Dibromochloromethane	**0.0011**	**U**	**mg/Kg**	**1**	0.0025	0.0011	8/12/2020 20:18	J
Dichlorodifluoromethane	**0.00071**	**U**	**mg/Kg**	**1**	0.0025	0.00071	8/12/2020 20:18	J
Ethylbenzene	**0.00092**	**U**	**mg/Kg**	**1**	0.0025	0.00092	8/12/2020 20:18	J
Methyl tert-butyl Ether (MTBE)	**0.00095**	**U**	**mg/Kg**	**1**	0.0025	0.00095	8/12/2020 20:18	J
Methylene Chloride	**0.0024**	**U**	**mg/Kg**	**1**	0.0084	0.0024	8/12/2020 20:18	J
Tetrachloroethylene (PCE)	**0.0010**	**U**	**mg/Kg**	**1**	0.0025	0.0010	8/12/2020 20:18	J
Toluene	**0.0012**	**U**	**mg/Kg**	**1**	0.0025	0.0012	8/12/2020 20:18	J
Trichloroethene	**0.00086**	**U**	**mg/Kg**	**1**	0.0025	0.00086	8/12/2020 20:18	J
Trichlorofluoromethane	**0.00077**	**U**	**mg/Kg**	**1**	0.0025	0.00077	8/12/2020 20:18	J
Vinyl Chloride	**0.0010**	**U**	**mg/Kg**	**1**	0.0025	0.0010	8/12/2020 20:18	J
Xylene (Total)	**0.0032**	**U**	**mg/Kg**	**1**	0.0076	0.0032	8/12/2020 20:18	J
cis-1,2-Dichloroethylene	**0.0012**	**U**	**mg/Kg**	**1**	0.0025	0.0012	8/12/2020 20:18	J
cis-1,3-Dichloropropene	**0.00090**	**U**	**mg/Kg**	**1**	0.0025	0.00090	8/12/2020 20:18	J
trans-1,2-Dichloroethylene	**0.00083**	**U**	**mg/Kg**	**1**	0.0025	0.00083	8/12/2020 20:18	J
trans-1,3-Dichloropropylene	**0.00063**	**U**	**mg/Kg**	**1**	0.0025	0.00063	8/12/2020 20:18	J
1,2-Dichloroethane-d4 (S)	**81**		**%**	**1**	69-134		8/12/2020 20:18	
Toluene-d8 (S)	**97**		**%**	**1**	72-122		8/12/2020 20:18	
Bromofluorobenzene (S)	**95**		**%**	**1**	79-126		8/12/2020 20:18	

VOLATILES

Analysis Desc: Percent Solids,SM2540G,Soil	Analytical Method: SM 2540G							
Percent Moisture	**6.0**		**%**	**1**	0.0010	0.0010	8/14/2020 10:45	J

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ANALYTICAL RESULTS

Workorder: J2010971 FIND Offload Site

Lab ID: **J2010971003** Date Received: 08/11/20 12:53 Matrix: Soil

Sample ID: **CUT 6** Date Collected: 08/11/20 11:45

Results for sample J2010971003 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils	Preparation Method: SW-846 3050B Analytical Method: SW-846 6010							
Arsenic	**0.63**	**U**	**mg/Kg**	**1**	2.5	0.63	8/14/2020 12:29	J
Barium	**8.7**		**mg/Kg**	**1**	2.5	0.63	8/14/2020 12:29	J
Boron	**1.7**	**I**	**mg/Kg**	**1**	5.1	1.3	8/14/2020 12:29	J
Cadmium	**0.063**	**U**	**mg/Kg**	**1**	0.25	0.063	8/14/2020 12:29	J
Chromium	**12**		**mg/Kg**	**1**	1.0	0.25	8/14/2020 12:29	J
Lead	**2.6**		**mg/Kg**	**1**	2.5	0.63	8/14/2020 12:29	J
Selenium	**1.3**	**U**	**mg/Kg**	**1**	5.1	1.3	8/14/2020 12:29	J
Silver	**0.25**	**U**	**mg/Kg**	**1**	1.0	0.25	8/14/2020 12:29	J
Analysis Desc: SW846 7471A Analysis, Soil	Preparation Method: SW-846 7471A Analytical Method: SW-846 7471A							
Mercury	**0.0048**	**I**	**mg/Kg**	**1**	0.0064	0.0016	8/12/2020 16:08	J
SEMIVOLATILES								
Analysis Desc: FL-PRO Analysis, Soil	Preparation Method: FL-PRO Analytical Method: FL-PRO							
TPH	**40**		**mg/Kg**	**1**	22	13	8/20/2020 22:14	J
o-Terphenyl (S)	**105**		**%**	**1**	66-136		8/20/2020 22:14	
Nonatricontane-C39 (S)	**108**		**%**	**1**	36-132		8/20/2020 22:14	
Analysis Desc: 8082A PCB Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8082A							
Aroclor 1016 (PCB-1016)	**0.019**	**U**	**mg/Kg**	**1**	0.041	0.019	8/17/2020 22:42	M
Aroclor 1221 (PCB-1221)	**0.029**	**U**	**mg/Kg**	**1**	0.041	0.029	8/17/2020 22:42	M
Aroclor 1232 (PCB-1232)	**0.039**	**U**	**mg/Kg**	**1**	0.041	0.039	8/17/2020 22:42	M
Aroclor 1242 (PCB-1242)	**0.031**	**U**	**mg/Kg**	**1**	0.041	0.031	8/17/2020 22:42	M
Aroclor 1248 (PCB-1248)	**0.015**	**U**	**mg/Kg**	**1**	0.041	0.015	8/17/2020 22:42	M
Aroclor 1254 (PCB-1254)	**0.0083**	**U**	**mg/Kg**	**1**	0.041	0.0083	8/17/2020 22:42	M
Aroclor 1260 (PCB-1260)	**0.0050**	**U**	**mg/Kg**	**1**	0.041	0.0050	8/17/2020 22:42	M
Tetrachloro-m-xylene (S)	**139**	**J4**	**%**	**1**	44-130		8/17/2020 22:42	
Decachlorobiphenyl (S)	**105**		**%**	**1**	61-147		8/17/2020 22:42	
Analysis Desc: 8270C Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8270C							
1,2,4-Trichlorobenzene	**0.015**	**U**	**mg/Kg**	**1**	0.26	0.015	8/17/2020 13:03	M

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ANALYTICAL RESULTS

Workorder: J2010971 FIND Offload Site

Lab ID: **J2010971003** Date Received: 08/11/20 12:53 Matrix: Soil

Sample ID: **CUT 6** Date Collected: 08/11/20 11:45

Results for sample J2010971003 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,2-Dichlorobenzene	**0.029**	**U**	**mg/Kg**	**1**	0.26	0.029	8/17/2020 13:03	M
1,2-Diphenylhydrazine	**0.026**	**U**	**mg/Kg**	**1**	0.26	0.026	8/17/2020 13:03	M
1,3-Dichlorobenzene	**0.029**	**U**	**mg/Kg**	**1**	0.26	0.029	8/17/2020 13:03	M
1,4-Dichlorobenzene	**0.039**	**U**	**mg/Kg**	**1**	0.26	0.039	8/17/2020 13:03	M
1-Methylnaphthalene	**0.028**	**U**	**mg/Kg**	**1**	0.26	0.028	8/17/2020 13:03	M
2,4,6-Trichlorophenol	**0.026**	**U**	**mg/Kg**	**1**	0.26	0.026	8/17/2020 13:03	M
2,4-Dichlorophenol	**0.041**	**U**	**mg/Kg**	**1**	0.26	0.041	8/17/2020 13:03	M
2,4-Dimethylphenol	**0.057**	**U**	**mg/Kg**	**1**	0.26	0.057	8/17/2020 13:03	M
2,4-Dinitrophenol	**0.059**	**U**	**mg/Kg**	**1**	0.26	0.059	8/17/2020 13:03	M
2,4-Dinitrotoluene (2,4-DNT)	**0.032**	**U**	**mg/Kg**	**1**	0.26	0.032	8/17/2020 13:03	M
2,6-Dinitrotoluene (2,6-DNT)	**0.039**	**U**	**mg/Kg**	**1**	0.26	0.039	8/17/2020 13:03	M
2-Chloronaphthalene	**0.067**	**U**	**mg/Kg**	**1**	0.26	0.067	8/17/2020 13:03	M
2-Chlorophenol	**0.047**	**U**	**mg/Kg**	**1**	0.26	0.047	8/17/2020 13:03	M
2-Methyl-4,6-dinitrophenol	**0.029**	**U**	**mg/Kg**	**1**	0.26	0.029	8/17/2020 13:03	M
2-Methylnaphthalene	**0.066**	**U**	**mg/Kg**	**1**	0.26	0.066	8/17/2020 13:03	M
2-Nitrophenol	**0.041**	**U**	**mg/Kg**	**1**	0.26	0.041	8/17/2020 13:03	M
3,3`-Dichlorobenzidine	**0.051**	**U**	**mg/Kg**	**1**	0.26	0.051	8/17/2020 13:03	M
4-Bromophenyl Phenyl Ether	**0.049**	**U**	**mg/Kg**	**1**	0.26	0.049	8/17/2020 13:03	M
4-Chloro-3-methylphenol	**0.028**	**U**	**mg/Kg**	**1**	0.26	0.028	8/17/2020 13:03	M
4-Chlorophenyl Phenyl Ether	**0.034**	**U**	**mg/Kg**	**1**	0.26	0.034	8/17/2020 13:03	M
4-Nitrophenol	**0.053**	**U**	**mg/Kg**	**1**	0.26	0.053	8/17/2020 13:03	M
Acenaphthene	**0.036**	**U**	**mg/Kg**	**1**	0.26	0.036	8/17/2020 13:03	M
Acenaphthylene	**0.036**	**U**	**mg/Kg**	**1**	0.26	0.036	8/17/2020 13:03	M
Anthracene	**0.027**	**U**	**mg/Kg**	**1**	0.26	0.027	8/17/2020 13:03	M
Benzidine	**0.046**	**U**	**mg/Kg**	**1**	0.26	0.046	8/17/2020 13:03	M
Benzo[a]anthracene	**0.033**	**U**	**mg/Kg**	**1**	0.26	0.033	8/17/2020 13:03	M
Benzo[a]pyrene	**0.033**	**U**	**mg/Kg**	**1**	0.26	0.033	8/17/2020 13:03	M
Benzo[b]fluoranthene	**0.040**	**U**	**mg/Kg**	**1**	0.26	0.040	8/17/2020 13:03	M
Benzo[g,h,i]perylene	**0.040**	**U**	**mg/Kg**	**1**	0.26	0.040	8/17/2020 13:03	M
Benzo[k]fluoranthene	**0.045**	**U**	**mg/Kg**	**1**	0.26	0.045	8/17/2020 13:03	M
Butyl benzyl phthalate	**0.084**	**U**	**mg/Kg**	**1**	0.26	0.084	8/17/2020 13:03	M
Chrysene	**0.036**	**U**	**mg/Kg**	**1**	0.26	0.036	8/17/2020 13:03	M
Di-n-Butyl Phthalate	**0.051**	**U**	**mg/Kg**	**1**	0.26	0.051	8/17/2020 13:03	M
Di-n-octyl Phthalate	**0.067**	**U**	**mg/Kg**	**1**	0.26	0.067	8/17/2020 13:03	M
Dibenzo[a,h]anthracene	**0.043**	**U**	**mg/Kg**	**1**	0.26	0.043	8/17/2020 13:03	M
Diethyl phthalate	**0.038**	**U**	**mg/Kg**	**1**	0.26	0.038	8/17/2020 13:03	M
Dimethyl phthalate	**0.031**	**U**	**mg/Kg**	**1**	0.26	0.031	8/17/2020 13:03	M
Fluoranthene	**0.030**	**U**	**mg/Kg**	**1**	0.26	0.030	8/17/2020 13:03	M
Fluorene	**0.029**	**U**	**mg/Kg**	**1**	0.26	0.029	8/17/2020 13:03	M
Hexachlorobenzene	**0.038**	**U**	**mg/Kg**	**1**	0.26	0.038	8/17/2020 13:03	M

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ANALYTICAL RESULTS

Workorder: J2010971 FIND Offload Site

Lab ID: **J2010971003** Date Received: 08/11/20 12:53 Matrix: Soil

Sample ID: **CUT 6** Date Collected: 08/11/20 11:45

Results for sample J2010971003 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Hexachlorobutadiene	**0.034**	**U**	**mg/Kg**	**1**	0.26	0.034	8/17/2020 13:03	M
Hexachlorocyclopentadiene	**0.037**	**U**	**mg/Kg**	**1**	0.26	0.037	8/17/2020 13:03	M
Hexachloroethane	**0.036**	**U**	**mg/Kg**	**1**	0.26	0.036	8/17/2020 13:03	M
Indeno(1,2,3-cd)pyrene	**0.037**	**U**	**mg/Kg**	**1**	0.26	0.037	8/17/2020 13:03	M
Isophorone	**0.028**	**U**	**mg/Kg**	**1**	0.26	0.028	8/17/2020 13:03	M
N-Nitrosodi-n-propylamine	**0.029**	**U**	**mg/Kg**	**1**	0.26	0.029	8/17/2020 13:03	M
N-Nitrosodimethylamine	**0.026**	**U**	**mg/Kg**	**1**	0.26	0.026	8/17/2020 13:03	M
N-Nitrosodiphenylamine	**0.095**	**U**	**mg/Kg**	**1**	0.26	0.095	8/17/2020 13:03	M
Naphthalene	**0.026**	**U**	**mg/Kg**	**1**	0.26	0.026	8/17/2020 13:03	M
Nitrobenzene	**0.041**	**U**	**mg/Kg**	**1**	0.26	0.041	8/17/2020 13:03	M
Pentachlorophenol	**0.045**	**U**	**mg/Kg**	**1**	0.26	0.045	8/17/2020 13:03	M
Phenanthrene	**0.027**	**U**	**mg/Kg**	**1**	0.26	0.027	8/17/2020 13:03	M
Phenol	**0.048**	**U**	**mg/Kg**	**1**	0.26	0.048	8/17/2020 13:03	M
Pyrene	**0.044**	**U**	**mg/Kg**	**1**	0.26	0.044	8/17/2020 13:03	M
bis(2-Chloroethoxy)methane	**0.031**	**U**	**mg/Kg**	**1**	0.26	0.031	8/17/2020 13:03	M
bis(2-Chloroethyl)Ether	**0.16**	**U**	**mg/Kg**	**1**	0.26	0.16	8/17/2020 13:03	M
bis(2-Chloroisopropyl) Ether	**0.16**	**U**	**mg/Kg**	**1**	0.26	0.16	8/17/2020 13:03	M
bis(2-Ethylhexyl) phthalate	**0.084**	**U**	**mg/Kg**	**1**	0.26	0.084	8/17/2020 13:03	M
2-Fluorophenol (S)	**57**		**%**	**1**	35-115		8/17/2020 13:03	
Phenol-d6 (S)	**66**		**%**	**1**	33-122		8/17/2020 13:03	
Nitrobenzene-d5 (S)	**53**		**%**	**1**	37-122		8/17/2020 13:03	
2-Fluorobiphenyl (S)	**67**		**%**	**1**	44-115		8/17/2020 13:03	
2,4,6-Tribromophenol (S)	**75**		**%**	**1**	39-132		8/17/2020 13:03	
p-Terphenyl-d14 (S)	**65**		**%**	**1**	54-127		8/17/2020 13:03	

VOLATILES

Analysis Desc: 8260B VOCs Analysis, Soil — Preparation Method: SW-846 5035; Analytical Method: SW-846 8260B

1,1,1-Trichloroethane	**0.0013**	**U**	**mg/Kg**	**1**	0.0029	0.0013	8/12/2020 23:31	J
1,1,2,2-Tetrachloroethane	**0.0019**	**U**	**mg/Kg**	**1**	0.0029	0.0019	8/12/2020 23:31	J
1,1,2-Trichloroethane	**0.0013**	**U**	**mg/Kg**	**1**	0.0029	0.0013	8/12/2020 23:31	J
1,1-Dichloroethane	**0.0012**	**U**	**mg/Kg**	**1**	0.0029	0.0012	8/12/2020 23:31	J
1,1-Dichloroethylene	**0.0011**	**U**	**mg/Kg**	**1**	0.0029	0.0011	8/12/2020 23:31	J
1,2-Dichlorobenzene	**0.0013**	**U**	**mg/Kg**	**1**	0.0029	0.0013	8/12/2020 23:31	J
1,2-Dichloroethane	**0.0013**	**U**	**mg/Kg**	**1**	0.0029	0.0013	8/12/2020 23:31	J
1,2-Dichloropropane	**0.0012**	**U**	**mg/Kg**	**1**	0.0029	0.0012	8/12/2020 23:31	J
1,3-Dichlorobenzene	**0.0012**	**U**	**mg/Kg**	**1**	0.0029	0.0012	8/12/2020 23:31	J
1,4-Dichlorobenzene	**0.0011**	**U**	**mg/Kg**	**1**	0.0029	0.0011	8/12/2020 23:31	J
2-Chloroethyl Vinyl Ether	**0.00073**	**U**	**mg/Kg**	**1**	0.0048	0.00073	8/12/2020 23:31	J

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ANALYTICAL RESULTS

Workorder: J2010971 FIND Offload Site

Lab ID: **J2010971003** Date Received: 08/11/20 12:53 Matrix: Soil

Sample ID: **CUT 6** Date Collected: 08/11/20 11:45

Results for sample J2010971003 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Acrolein (Propenal)	**0.0063**	**U**	**mg/Kg**	**1**	0.014	0.0063	8/13/2020 15:52	J
Acrylonitrile	**0.0049**	**U**	**mg/Kg**	**1**	0.014	0.0049	8/12/2020 23:31	J
Benzene	**0.0012**	**U**	**mg/Kg**	**1**	0.0029	0.0012	8/12/2020 23:31	J
Bromodichloromethane	**0.0013**	**U**	**mg/Kg**	**1**	0.0029	0.0013	8/12/2020 23:31	J
Bromoform	**0.0019**	**U**	**mg/Kg**	**1**	0.0048	0.0019	8/12/2020 23:31	J
Bromomethane	**0.0012**	**U**	**mg/Kg**	**1**	0.0029	0.0012	8/13/2020 15:52	J
Carbon Tetrachloride	**0.0013**	**U**	**mg/Kg**	**1**	0.0029	0.0013	8/12/2020 23:31	J
Chlorobenzene	**0.0014**	**U**	**mg/Kg**	**1**	0.0029	0.0014	8/12/2020 23:31	J
Chloroethane	**0.00096**	**U**	**mg/Kg**	**1**	0.0029	0.00096	8/12/2020 23:31	J
Chloroform	**0.0013**	**U**	**mg/Kg**	**1**	0.0029	0.0013	8/12/2020 23:31	J
Chloromethane	**0.00097**	**U**	**mg/Kg**	**1**	0.0029	0.00097	8/13/2020 15:52	J
Dibromochloromethane	**0.0012**	**U**	**mg/Kg**	**1**	0.0029	0.0012	8/12/2020 23:31	J
Dichlorodifluoromethane	**0.00080**	**U**	**mg/Kg**	**1**	0.0029	0.00080	8/13/2020 15:52	J
Ethylbenzene	**0.0010**	**U**	**mg/Kg**	**1**	0.0029	0.0010	8/12/2020 23:31	J
Methyl tert-butyl Ether (MTBE)	**0.0011**	**U**	**mg/Kg**	**1**	0.0029	0.0011	8/12/2020 23:31	J
Methylene Chloride	**0.0027**	**U**	**mg/Kg**	**1**	0.0096	0.0027	8/12/2020 23:31	J
Tetrachloroethylene (PCE)	**0.0012**	**U**	**mg/Kg**	**1**	0.0029	0.0012	8/12/2020 23:31	J
Toluene	**0.0013**	**U**	**mg/Kg**	**1**	0.0029	0.0013	8/12/2020 23:31	J
Trichloroethene	**0.00097**	**U**	**mg/Kg**	**1**	0.0029	0.00097	8/12/2020 23:31	J
Trichlorofluoromethane	**0.00087**	**U**	**mg/Kg**	**1**	0.0029	0.00087	8/12/2020 23:31	J
Vinyl Chloride	**0.0012**	**U**	**mg/Kg**	**1**	0.0029	0.0012	8/13/2020 15:52	J
Xylene (Total)	**0.0036**	**U**	**mg/Kg**	**1**	0.0086	0.0036	8/12/2020 23:31	J
cis-1,2-Dichloroethylene	**0.0014**	**U**	**mg/Kg**	**1**	0.0029	0.0014	8/12/2020 23:31	J
cis-1,3-Dichloropropene	**0.0010**	**U**	**mg/Kg**	**1**	0.0029	0.0010	8/12/2020 23:31	J
trans-1,2-Dichloroethylene	**0.00094**	**U**	**mg/Kg**	**1**	0.0029	0.00094	8/12/2020 23:31	J
trans-1,3-Dichloropropylene	**0.00072**	**U**	**mg/Kg**	**1**	0.0029	0.00072	8/12/2020 23:31	J
1,2-Dichloroethane-d4 (S)	**83**		**%**	**1**	69-134		8/12/2020 23:31	
Toluene-d8 (S)	**97**		**%**	**1**	72-122		8/12/2020 23:31	
Bromofluorobenzene (S)	**99**		**%**	**1**	79-126		8/12/2020 23:31	

VOLATILES

Analysis Desc: Percent Solids,SM2540G,Soil	Analytical Method: SM 2540G							
Percent Moisture	**24**		**%**	**1**	0.0010	0.0010	8/14/2020 10:45	J

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ANALYTICAL RESULTS QUALIFIERS

Workorder: J2010971 FIND Offload Site

PARAMETER QUALIFIERS

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J4	Estimated Result

LAB QUALIFIERS

J	DOH Certification #E82574(AEL-JAX)(FL NELAC Certification)
M	DOH Certification #E82535(AEL-M)(FL NELAC Certification)

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QUALITY CONTROL DATA

Workorder: J2010971 FIND Offload Site

QC Batch: EXTm/1927 Analysis Method: SW-846 8082A

QC Batch Method: SW-846 3550B Prepared: 08/10/2020 11:30

Associated Lab Samples: J2010971001, J2010971002, J2010971003

METHOD BLANK: 3575412

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
Aroclor 1016 (PCB-1016)	mg/Kg	0.014	0.014	U
Aroclor 1221 (PCB-1221)	mg/Kg	0.021	0.021	U
Aroclor 1232 (PCB-1232)	mg/Kg	0.029	0.029	U
Aroclor 1242 (PCB-1242)	mg/Kg	0.023	0.023	U
Aroclor 1248 (PCB-1248)	mg/Kg	0.011	0.011	U
Aroclor 1254 (PCB-1254)	mg/Kg	0.0061	0.0061	U
Aroclor 1260 (PCB-1260)	mg/Kg	0.0037	0.0037	U
Tetrachloro-m-xylene (S)	%	109	44-130	
Decachlorobiphenyl (S)	%	98	61-147	

LABORATORY CONTROL SAMPLE: 3575413

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
SEMIVOLATILES						
Aroclor 1016 (PCB-1016)	mg/Kg	0.15	0.16	109	47-134	
Aroclor 1221 (PCB-1221)	mg/Kg		0.020			
Aroclor 1232 (PCB-1232)	mg/Kg		0.028			
Aroclor 1242 (PCB-1242)	mg/Kg		0.022			
Aroclor 1248 (PCB-1248)	mg/Kg		0.011			
Aroclor 1254 (PCB-1254)	mg/Kg		0.0058			
Aroclor 1260 (PCB-1260)	mg/Kg	0.15	0.16	106	53-140	
Tetrachloro-m-xylene (S)	%			83	44-130	
Decachlorobiphenyl (S)	%			85	61-147	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3575414 3575415 Original: J2010596001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
SEMIVOLATILES											
Aroclor 1016 (PCB-1016)	mg/Kg	0	0.16	0.19	0.18	114	111	47-134	5		
Aroclor 1221 (PCB-1221)	mg/Kg			0.023	0.023U				0		
Aroclor 1232 (PCB-1232)	mg/Kg			0.032	0.031U				0		
Aroclor 1242 (PCB-1242)	mg/Kg			0.025	0.025U				0		

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QUALITY CONTROL DATA

Workorder: J2010971 FIND Offload Site

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3575414 3575415 Original: J2010596001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Aroclor 1248 (PCB-1248)	mg/Kg			0.012	0.012U				0		
Aroclor 1254 (PCB-1254)	mg/Kg			0.0067	0.0066U				0		
Aroclor 1260 (PCB-1260)	mg/Kg	0	0.16	0.21	0.22	123	134	53-140	7		
Tetrachloro-m-xylene (S)	%	102				95	125	44-130	25		
Decachlorobiphenyl (S)	%	103				94	105	61-147	8		

QC Batch: EXTm/1937 Analysis Method: SW-846 8270C

QC Batch Method: SW-846 3550B Prepared: 08/12/2020 07:00

Associated Lab Samples: J2010971001, J2010971002, J2010971003

METHOD BLANK: 3578550

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
Phenol	mg/Kg	0.037	0.037	U
2-Chlorophenol	mg/Kg	0.036	0.036	U
2-Nitrophenol	mg/Kg	0.031	0.031	U
2,4-Dimethylphenol	mg/Kg	0.043	0.043	U
2,4-Dichlorophenol	mg/Kg	0.031	0.031	U
4-Chloro-3-methylphenol	mg/Kg	0.021	0.021	U
2,4,6-Trichlorophenol	mg/Kg	0.020	0.020	U
2,4-Dinitrophenol	mg/Kg	0.045	0.045	U
4-Nitrophenol	mg/Kg	0.040	0.040	U
2-Methyl-4,6-dinitrophenol	mg/Kg	0.022	0.022	U
Pentachlorophenol	mg/Kg	0.034	0.034	U
N-Nitrosodimethylamine	mg/Kg	0.020	0.020	U
bis(2-Chloroethyl)Ether	mg/Kg	0.12	0.12	U
1,3-Dichlorobenzene	mg/Kg	0.022	0.022	U
1,4-Dichlorobenzene	mg/Kg	0.030	0.030	U
1,2-Dichlorobenzene	mg/Kg	0.022	0.022	U
bis(2-Chloroisopropyl) Ether	mg/Kg	0.12	0.12	U
N-Nitrosodi-n-propylamine	mg/Kg	0.022	0.022	U
Hexachloroethane	mg/Kg	0.027	0.027	U
Nitrobenzene	mg/Kg	0.031	0.031	U
Isophorone	mg/Kg	0.021	0.021	U
bis(2-Chloroethoxy)methane	mg/Kg	0.023	0.023	U
1,2,4-Trichlorobenzene	mg/Kg	0.012	0.012	U
Naphthalene	mg/Kg	0.019	0.019	U
Hexachlorobutadiene	mg/Kg	0.026	0.026	U
2-Methylnaphthalene	mg/Kg	0.050	0.050	U
1-Methylnaphthalene	mg/Kg	0.021	0.021	U

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QUALITY CONTROL DATA

Workorder: J2010971 FIND Offload Site

METHOD BLANK: 3578550

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Hexachlorocyclopentadiene	mg/Kg	0.028	0.028	U
2-Chloronaphthalene	mg/Kg	0.051	0.051	U
Dimethyl phthalate	mg/Kg	0.023	0.023	U
2,6-Dinitrotoluene (2,6-DNT)	mg/Kg	0.030	0.030	U
Acenaphthylene	mg/Kg	0.027	0.027	U
Acenaphthene	mg/Kg	0.027	0.027	U
2,4-Dinitrotoluene (2,4-DNT)	mg/Kg	0.025	0.025	U
Diethyl phthalate	mg/Kg	0.028	0.028	U
Fluorene	mg/Kg	0.022	0.022	U
4-Chlorophenyl Phenyl Ether	mg/Kg	0.026	0.026	U
1,2-Diphenylhydrazine	mg/Kg	0.019	0.019	U
4-Bromophenyl Phenyl Ether	mg/Kg	0.037	0.037	U
Hexachlorobenzene	mg/Kg	0.028	0.028	U
Phenanthrene	mg/Kg	0.021	0.021	U
Anthracene	mg/Kg	0.021	0.021	U
Di-n-Butyl Phthalate	mg/Kg	0.039	0.039	U
Fluoranthene	mg/Kg	0.023	0.023	U
Benzidine	mg/Kg	0.035	0.035	U
Pyrene	mg/Kg	0.033	0.033	U
Butyl benzyl phthalate	mg/Kg	0.064	0.064	U
Benzo[a]anthracene	mg/Kg	0.025	0.025	U
3,3`-Dichlorobenzidine	mg/Kg	0.039	0.039	U
Chrysene	mg/Kg	0.027	0.027	U
bis(2-Ethylhexyl) phthalate	mg/Kg	0.064	0.064	U
Di-n-octyl Phthalate	mg/Kg	0.051	0.051	U
Benzo[b]fluoranthene	mg/Kg	0.030	0.030	U
Benzo[k]fluoranthene	mg/Kg	0.034	0.034	U
Benzo[a]pyrene	mg/Kg	0.025	0.025	U
Indeno(1,2,3-cd)pyrene	mg/Kg	0.028	0.028	U
Dibenzo[a,h]anthracene	mg/Kg	0.033	0.033	U
Benzo[g,h,i]perylene	mg/Kg	0.030	0.030	U
N-Nitrosodiphenylamine	mg/Kg	0.072	0.072	U
2-Fluorophenol (S)	%	58	35-115	
Phenol-d6 (S)	%	66	33-122	
Nitrobenzene-d5 (S)	%	56	37-122	
2-Fluorobiphenyl (S)	%	69	44-115	
2,4,6-Tribromophenol (S)	%	74	39-132	
p-Terphenyl-d14 (S)	%	66	54-127	

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QUALITY CONTROL DATA

Workorder: J2010971 FIND Offload Site

LABORATORY CONTROL SAMPLE: 3578551

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
SEMIVOLATILES						
N-Nitrosodimethylamine	mg/Kg	1.5	0.43	28		
Phenol	mg/Kg	1.5	0.73	48	34-121	
bis(2-Chloroethyl)Ether	mg/Kg	1.5	0.67	44		
2-Chlorophenol	mg/Kg	1.5	0.74	48		
1,3-Dichlorobenzene	mg/Kg	1.5	0.67	44		
1,4-Dichlorobenzene	mg/Kg	1.5	0.68	44	37-132	
1,2-Dichlorobenzene	mg/Kg	1.5	0.69	45		
bis(2-Chloroisopropyl) Ether	mg/Kg	1.5	0.66	43		
N-Nitrosodi-n-propylamine	mg/Kg	1.5	0.66	43		
Hexachloroethane	mg/Kg	1.5	0.69	45	28-117	
Nitrobenzene	mg/Kg	1.5	0.58	38	34-122	
Isophorone	mg/Kg	1.5	0.66	43		
2-Nitrophenol	mg/Kg	1.5	0.69	45		
2,4-Dimethylphenol	mg/Kg	1.5	0.85	55		
bis(2-Chloroethoxy)methane	mg/Kg	1.5	0.68	45		
2,4-Dichlorophenol	mg/Kg	1.5	0.81	53	40-122	
1,2,4-Trichlorobenzene	mg/Kg	1.5	0.77	50		
Naphthalene	mg/Kg	1.5	0.72	47		
Hexachlorobutadiene	mg/Kg	1.5	0.78	51	32-123	
4-Chloro-3-methylphenol	mg/Kg	1.5	0.72	47	45-122	
2-Methylnaphthalene	mg/Kg	1.5	0.57	37		
1-Methylnaphthalene	mg/Kg	1.5	0.73	48		
Hexachlorocyclopentadiene	mg/Kg	1.5	0.56	37		
2,4,6-Trichlorophenol	mg/Kg	1.5	0.85	56	39-126	
2-Chloronaphthalene	mg/Kg	1.5	0.70	46		
Dimethyl phthalate	mg/Kg	1.5	0.80	52		
2,6-Dinitrotoluene (2,6-DNT)	mg/Kg	1.5	0.78	51		
Acenaphthylene	mg/Kg	1.5	0.79	52		
Acenaphthene	mg/Kg	1.5	0.72	47	40-123	
2,4-Dinitrophenol	mg/Kg	1.5	0.62	40		
2,4-Dinitrotoluene (2,4-DNT)	mg/Kg	1.5	0.79	52	48-126	
4-Nitrophenol	mg/Kg	1.5	0.25	16		
Diethyl phthalate	mg/Kg	1.5	0.82	53		
Fluorene	mg/Kg	1.5	0.78	51	43-125	
4-Chlorophenyl Phenyl Ether	mg/Kg	1.5	0.92	61		
2-Methyl-4,6-dinitrophenol	mg/Kg	1.5	0.70	46		
N-Nitrosodiphenylamine	mg/Kg	1.5	0.67	44		
1,2-Diphenylhydrazine	mg/Kg	1.5	0.65	43		
4-Bromophenyl Phenyl Ether	mg/Kg	1.5	0.81	53		

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QUALITY CONTROL DATA

Workorder: J2010971 FIND Offload Site

LABORATORY CONTROL SAMPLE: 3578551

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachlorobenzene	mg/Kg	1.5	0.80	52	45-122	
Pentachlorophenol	mg/Kg	1.5	0.87	57	25-133	
Phenanthrene	mg/Kg	1.5	0.79	52		
Anthracene	mg/Kg	1.5	0.78	51		
Di-n-Butyl Phthalate	mg/Kg	1.5	0.80	52		
Fluoranthene	mg/Kg	1.5	0.85	56	50-127	
Pyrene	mg/Kg	1.5	0.83	55		
Butyl benzyl phthalate	mg/Kg	1.5	0.77	50		
Benzo[a]anthracene	mg/Kg	1.5	0.85	56		
Chrysene	mg/Kg	1.5	0.79	51		
bis(2-Ethylhexyl) phthalate	mg/Kg	1.5	0.78	51	51-133	
Di-n-octyl Phthalate	mg/Kg	1.5	0.72	47		
Benzo[b]fluoranthene	mg/Kg	1.5	0.69	45		
Benzo[k]fluoranthene	mg/Kg	1.5	0.69	45		
Benzo[a]pyrene	mg/Kg	1.5	0.75	49	45-129	
Indeno(1,2,3-cd)pyrene	mg/Kg	1.5	0.61	40		
Dibenzo[a,h]anthracene	mg/Kg	1.5	0.78	51		
Benzo[g,h,i]perylene	mg/Kg	1.5	0.72	47		
Benzidine	mg/Kg	1.5	0.72	47		
3,3`-Dichlorobenzidine	mg/Kg	1.5	0.85	56		
2-Fluorophenol (S)	%			45	35-115	
Phenol-d6 (S)	%			53	33-122	
Nitrobenzene-d5 (S)	%			47	37-122	
2-Fluorobiphenyl (S)	%			54	44-115	
2,4,6-Tribromophenol (S)	%			64	39-132	
p-Terphenyl-d14 (S)	%			60	54-127	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3578552 3578553 Original: T2014825005

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
SEMIVOLATILES											
N-Nitrosodimethylamine	mg/Kg	0	1.5	0.60	0.58	37	36		3		
Phenol	mg/Kg	0	1.5	0.83	0.82	51	51	34-121	1	20	
bis(2-Chloroethyl)Ether	mg/Kg	0	1.5	0.83	0.81	51	50		2		
2-Chlorophenol	mg/Kg	0	1.5	0.85	0.85	52	53		0		
1,3-Dichlorobenzene	mg/Kg	0	1.5	0.77	0.75	48	47		3		
1,4-Dichlorobenzene	mg/Kg	0	1.5	0.75	0.74	47	46	37-132	2	20	
1,2-Dichlorobenzene	mg/Kg	0	1.5	0.78	0.77	48	48		2		
bis(2-Chloroisopropyl) Ether	mg/Kg	0	1.5	0.73	0.71	45	44		3		
N-Nitrosodi-n-propylamine	mg/Kg	0	1.5	0.74	0.73	46	45		2		

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QUALITY CONTROL DATA

Workorder: J2010971 FIND Offload Site

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3578552 3578553 Original: T2014825005

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Hexachloroethane	mg/Kg	0	1.5	0.79	0.78	49	48	28-117	2	20	
Nitrobenzene	mg/Kg	0	1.5	0.62	0.63	38	39	34-122	2	20	
Isophorone	mg/Kg	0	1.5	0.75	0.76	46	47		2		
2-Nitrophenol	mg/Kg	0	1.5	0.80	0.81	49	51		2		
2,4-Dimethylphenol	mg/Kg	0	1.5	0.91	0.98	56	61		7		
bis(2-Chloroethoxy)methane	mg/Kg	0	1.5	0.77	0.78	48	48		1		
2,4-Dichlorophenol	mg/Kg	0	1.5	0.89	0.92	55	57	40-122	3	20	
1,2,4-Trichlorobenzene	mg/Kg	0	1.5	0.87	0.89	53	55		3		
Naphthalene	mg/Kg	0	1.5	0.79	0.81	49	50		2		
Hexachlorobutadiene	mg/Kg	0	1.5	0.90	0.89	56	55	32-123	1	20	
4-Chloro-3-methylphenol	mg/Kg	0	1.5	0.81	0.82	50	51	45-122	1	20	
2-Methylnaphthalene	mg/Kg	0	1.5	0.64	0.64	39	40		1		
1-Methylnaphthalene	mg/Kg	0	1.5	0.80	0.81	49	50		1		
Hexachlorocyclopentadiene	mg/Kg	0	1.5	0.76	0.72	47	45		5		
2,4,6-Trichlorophenol	mg/Kg	0	1.5	0.99	0.97	61	60	39-126	2	20	
2-Chloronaphthalene	mg/Kg	0	1.5	0.81	0.76	50	47		5		
Dimethyl phthalate	mg/Kg	0	1.5	0.89	0.88	55	55		1		
2,6-Dinitrotoluene (2,6-DNT)	mg/Kg	0	1.5	0.95	0.93	58	58		2		
Acenaphthylene	mg/Kg	0	1.5	0.88	0.86	55	53		3		
Acenaphthene	mg/Kg	0	1.5	0.83	0.80	51	50	40-123	4	20	
2,4-Dinitrophenol	mg/Kg	0	1.5	0.79	0.82	49	51		4		
2,4-Dinitrotoluene (2,4-DNT)	mg/Kg	0	1.5	0.92	0.93	57	58	48-126	0	20	
4-Nitrophenol	mg/Kg	0	1.5	0.35	0.36	22	22		2		
Diethyl phthalate	mg/Kg	0	1.5	0.90	0.89	56	55		1		
Fluorene	mg/Kg	0	1.5	0.90	0.86	56	53	43-125	5	20	
4-Chlorophenyl Phenyl Ether	mg/Kg	0	1.5	1.0	1.0	64	65		0		
2-Methyl-4,6-dinitrophenol	mg/Kg	0	1.5	0.023	0.023U	0	0		0		
N-Nitrosodiphenylamine	mg/Kg	0	1.5	0.71	0.72	44	45		1		
1,2-Diphenylhydrazine	mg/Kg	0	1.5	0.71	0.70	44	44		1		
4-Bromophenyl Phenyl Ether	mg/Kg	0	1.5	0.88	0.89	54	55		1		
Hexachlorobenzene	mg/Kg	0	1.5	0.88	0.89	55	55	45-122	1	20	
Pentachlorophenol	mg/Kg	0	1.5	0.95	0.99	59	61	25-133	4	20	
Phenanthrene	mg/Kg	0	1.5	0.86	0.86	53	54		1		
Anthracene	mg/Kg	0	1.5	0.80	0.84	49	52		5		
Di-n-Butyl Phthalate	mg/Kg	0	1.5	0.83	0.84	51	52		1		
Fluoranthene	mg/Kg	0	1.5	0.89	0.92	55	57	50-127	3	20	
Pyrene	mg/Kg	0	1.5	1.1	1.1	68	67		1		
Butyl benzyl phthalate	mg/Kg	0	1.5	0.95	0.96	58	60		1		
Benzo[a]anthracene	mg/Kg	0	1.5	1.1	1.1	65	70		7		
Chrysene	mg/Kg	0	1.5	1.0	1.0	64	63		3		

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QUALITY CONTROL DATA

Workorder: J2010971 FIND Offload Site

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3578552 3578553 Original: T2014825005

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
bis(2-Ethylhexyl) phthalate	mg/Kg	0	1.5	0.91	0.90	56	56	51-133	1	20	
Di-n-octyl Phthalate	mg/Kg	0	1.5	0.91	0.91	56	57		1		
Benzo[b]fluoranthene	mg/Kg	0	1.5	0.74	0.81	46	50		9		
Benzo[k]fluoranthene	mg/Kg	0	1.5	0.76	0.77	47	48		2		
Benzo[a]pyrene	mg/Kg	0	1.5	0.82	0.84	50	52	45-129	3	20	
Indeno(1,2,3-cd)pyrene	mg/Kg	0	1.5	0.64	0.69	40	43		6		
Dibenzo[a,h]anthracene	mg/Kg	0	1.5	0.81	0.83	50	51		2		
Benzo[g,h,i]perylene	mg/Kg	0	1.5	0.76	0.81	47	51		6		
Benzidine	mg/Kg	0	1.5	0.96	0.95	59	59		1		
3,3`-Dichlorobenzidine	mg/Kg	0	1.5	1.0	1.0	63	63		2		
2-Fluorophenol (S)	%	57				48	48	35-115	0		
Phenol-d6 (S)	%	70				54	54	33-122	1		
Nitrobenzene-d5 (S)	%	67				49	51	37-122	4		
2-Fluorobiphenyl (S)	%	66				58	58	44-115	1		
2,4,6-Tribromophenol (S)	%	71				63	67	39-132	5		
p-Terphenyl-d14 (S)	%	70				67	68	54-127	2		

QC Batch: DGMj/2033 Analysis Method: SW-846 6010

QC Batch Method: SW-846 3050B Prepared: 08/12/2020 12:26

Associated Lab Samples: J2010971001, J2010971002, J2010971003

METHOD BLANK: 3578611

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Silver	mg/Kg	0.20	0.20	U
Arsenic	mg/Kg	0.50	0.50	U
Boron	mg/Kg	1.0	1.0	U
Barium	mg/Kg	0.50	0.50	U
Cadmium	mg/Kg	0.050	0.050	U
Chromium	mg/Kg	0.20	0.20	U
Lead	mg/Kg	0.50	0.50	U
Selenium	mg/Kg	1.0	1.0	U

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QUALITY CONTROL DATA

Workorder: J2010971 FIND Offload Site

LABORATORY CONTROL SAMPLE: 3578612

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Silver	mg/Kg	4	3.9	97	80-120	
Arsenic	mg/Kg	10	9.3	93	80-120	
Boron	mg/Kg	20	20	98	80-120	
Barium	mg/Kg	10	9.3	93	80-120	
Cadmium	mg/Kg	1	0.97	97	80-120	
Chromium	mg/Kg	4	3.5	88	80-120	
Lead	mg/Kg	10	9.7	97	80-120	
Selenium	mg/Kg	20	20	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3578613 3578614 Original: J2011000001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Silver	mg/Kg	0	3.8	4.1	4.5	93	97	75-125	9	20	
Arsenic	mg/Kg	0.75	9.6	10	12	84	96	75-125	16	20	
Boron	mg/Kg	0.54	19	22	24	97	104	75-125	11	20	
Barium	mg/Kg	33	9.6	56	57	153	161	75-125	3	20	
Cadmium	mg/Kg	0.25	0.96	1.4	1.5	96	104	75-125	9	20	
Chromium	mg/Kg	4.3	3.8	9.6	11	104	123	75-125	11	20	
Lead	mg/Kg	65	9.6	110	110	271	266	75-125	1	20	
Selenium	mg/Kg	0.077	19	19	22	87	95	75-125	13	20	

QC Batch: DGMj/2036 Analysis Method: SW-846 7471A

QC Batch Method: SW-846 7471A Prepared: 08/12/2020 13:27

Associated Lab Samples: J2010971001, J2010971002, J2010971003

METHOD BLANK: 3578627

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Mercury	mg/Kg	0.0012	0.0012	U

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QUALITY CONTROL DATA

Workorder: J2010971 FIND Offload Site

LABORATORY CONTROL SAMPLE: 3578628

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Mercury	mg/Kg	0.1	0.091	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3578629 3578630 Original: J2010971001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Mercury	mg/Kg	0.0012	0.095	0.10	0.11	102	102	80-120	3	20	

QC Batch: MSVj/2330 Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5035 Prepared: 08/12/2020 08:48

Associated Lab Samples: J2010971001, J2010971002, J2010971003

METHOD BLANK: 3580172

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Dichlorodifluoromethane	mg/Kg	0.00084	0.00084	U
Chloromethane	mg/Kg	0.0010	0.0010	U
Vinyl Chloride	mg/Kg	0.0012	0.0012	U
Bromomethane	mg/Kg	0.0013	0.0013	U
Chloroethane	mg/Kg	0.0010	0.0010	U
Trichlorofluoromethane	mg/Kg	0.00091	0.00091	U
Acrolein (Propenal)	mg/Kg	0.0066	0.0066	U
1,1-Dichloroethylene	mg/Kg	0.0012	0.0012	U
Acrylonitrile	mg/Kg	0.0052	0.0052	U
Methylene Chloride	mg/Kg	0.0028	0.0028	U
trans-1,2-Dichloroethylene	mg/Kg	0.00098	0.00098	U
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.0011	0.0011	U
1,1-Dichloroethane	mg/Kg	0.0013	0.0013	U
cis-1,2-Dichloroethylene	mg/Kg	0.0014	0.0014	U
Chloroform	mg/Kg	0.0013	0.0013	U
1,2-Dichloroethane	mg/Kg	0.0014	0.0014	U
1,1,1-Trichloroethane	mg/Kg	0.0014	0.0014	U
Carbon Tetrachloride	mg/Kg	0.0014	0.0014	U
Benzene	mg/Kg	0.0012	0.0012	U

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QUALITY CONTROL DATA

Workorder: J2010971 FIND Offload Site

METHOD BLANK: 3580172

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
1,2-Dichloropropane	mg/Kg	0.0012	0.0012	U
Trichloroethene	mg/Kg	0.0010	0.0010	U
Bromodichloromethane	mg/Kg	0.0013	0.0013	U
2-Chloroethyl Vinyl Ether	mg/Kg	0.00076	0.00076	U
cis-1,3-Dichloropropene	mg/Kg	0.0011	0.0011	U
trans-1,3-Dichloropropylene	mg/Kg	0.00075	0.00075	U
1,1,2-Trichloroethane	mg/Kg	0.0013	0.0013	U
Toluene	mg/Kg	0.0014	0.0014	U
Dibromochloromethane	mg/Kg	0.0013	0.0013	U
Tetrachloroethylene (PCE)	mg/Kg	0.0012	0.0012	U
Chlorobenzene	mg/Kg	0.0014	0.0014	U
Ethylbenzene	mg/Kg	0.0011	0.0011	U
Bromoform	mg/Kg	0.0019	0.0019	U
1,1,2,2-Tetrachloroethane	mg/Kg	0.0020	0.0020	U
1,3-Dichlorobenzene	mg/Kg	0.0013	0.0013	U
1,4-Dichlorobenzene	mg/Kg	0.0011	0.0011	U
1,2-Dichlorobenzene	mg/Kg	0.0013	0.0013	U
Xylene (Total)	mg/Kg	0.0038	0.0038	U
1,2-Dichloroethane-d4 (S)	%	101	69-134	
Toluene-d8 (S)	%	94	72-122	
Bromofluorobenzene (S)	%	101	79-126	

LABORATORY CONTROL SAMPLE & LCSD: 3580173 3580174

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
VOLATILES										
Dichlorodifluoromethane	mg/Kg	0.02	0.015	0.013	73	66		10		
Chloromethane	mg/Kg	0.02	0.018	0.014	93	71		27		
Vinyl Chloride	mg/Kg	0.02	0.017	0.016	86	79	70-130	9	20	
Bromomethane	mg/Kg	0.02	0.016	0.013	79	64		20		
Chloroethane	mg/Kg	0.02	0.018	0.016	89	82		8		
Trichlorofluoromethane	mg/Kg	0.02	0.020	0.017	98	86		13		
1,1-Dichloroethylene	mg/Kg	0.02	0.024	0.022	119	112	70-130	6	20	
Methylene Chloride	mg/Kg	0.02	0.018	0.016	89	80		11		
trans-1,2-Dichloroethylene	mg/Kg	0.02	0.023	0.022	115	110		4		
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.02	0.019	0.018	94	90	70-130	4	20	
1,1-Dichloroethane	mg/Kg	0.02	0.021	0.020	106	102		4		
cis-1,2-Dichloroethylene	mg/Kg	0.02	0.021	0.021	105	103	70-130	3	20	
Chloroform	mg/Kg	0.02	0.021	0.020	106	101	70-130	5	20	
1,2-Dichloroethane	mg/Kg	0.02	0.021	0.019	107	93		15		

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QUALITY CONTROL DATA

Workorder: J2010971 FIND Offload Site

LABORATORY CONTROL SAMPLE & LCSD: 3580173 3580174

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	mg/Kg	0.02	0.022	0.021	111	105		6		
Carbon Tetrachloride	mg/Kg	0.02	0.022	0.020	111	102		8		
Benzene	mg/Kg	0.02	0.021	0.020	107	101	70-130	5	20	
1,2-Dichloropropane	mg/Kg	0.02	0.021	0.021	106	103		3		
Trichloroethene	mg/Kg	0.02	0.021	0.021	106	107	70-130	1	20	
Bromodichloromethane	mg/Kg	0.02	0.021	0.020	106	99		7		
cis-1,3-Dichloropropene	mg/Kg	0.02	0.021	0.020	107	101		6		
trans-1,3-Dichloropropylene	mg/Kg	0.02	0.021	0.019	103	96		8		
1,1,2-Trichloroethane	mg/Kg	0.02	0.021	0.022	107	108		1		
Toluene	mg/Kg	0.02	0.020	0.021	102	105	70-130	2	20	
Dibromochloromethane	mg/Kg	0.02	0.021	0.022	106	108		2		
Tetrachloroethylene (PCE)	mg/Kg	0.02	0.021	0.022	103	109	70-130	6	20	
Chlorobenzene	mg/Kg	0.02	0.020	0.021	102	103	70-130	2	20	
Ethylbenzene	mg/Kg	0.02	0.021	0.021	103	104	70-130	1	20	
Bromoform	mg/Kg	0.02	0.021	0.022	104	112		7		
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	0.021	0.020	107	99		8		
1,3-Dichlorobenzene	mg/Kg	0.02	0.020	0.019	102	95	70-130	7	20	
1,4-Dichlorobenzene	mg/Kg	0.02	0.020	0.019	101	95		5		
1,2-Dichlorobenzene	mg/Kg	0.02	0.020	0.020	101	100	70-130	0	20	
Xylene (Total)	mg/Kg	0.06	0.061	0.062	102	104	70-130	1	20	
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	0.014	0.017	71	86		19		
Acrolein (Propenal)	mg/Kg	0.1	0.082	0.060	82	60		30		
Acrylonitrile	mg/Kg	0.02	0.021	0.020	106	101		4		
1,2-Dichloroethane-d4 (S)	%				97	86	69-134	12		
Toluene-d8 (S)	%				95	98	72-122	3		
Bromofluorobenzene (S)	%				93	89	79-126	5		

MATRIX SPIKE SAMPLE: 3580175 Original: S2002046001

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
VOLATILES							
Dichlorodifluoromethane	mg/Kg			0.021			
Chloromethane	mg/Kg			0.026			
Vinyl Chloride	mg/Kg			0.027			
Bromomethane	mg/Kg			0.026			
Chloroethane	mg/Kg			0.028			
Trichlorofluoromethane	mg/Kg			0.029			
1,1-Dichloroethylene	mg/Kg			0.038			
Methylene Chloride	mg/Kg			0.027			
trans-1,2-Dichloroethylene	mg/Kg			0.038			

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QUALITY CONTROL DATA

Workorder: J2010971 FIND Offload Site

MATRIX SPIKE SAMPLE: 3580175 Original: S2002046001

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Methyl tert-butyl Ether (MTBE)	mg/Kg	0	0.026	0.031	92	70-130	
1,1-Dichloroethane	mg/Kg			0.035			
cis-1,2-Dichloroethylene	mg/Kg			0.035			
Chloroform	mg/Kg			0.035			
1,2-Dichloroethane	mg/Kg			0.031			
1,1,1-Trichloroethane	mg/Kg			0.037			
Carbon Tetrachloride	mg/Kg			0.036			
Benzene	mg/Kg	0	0.026	0.035	104	70-130	
1,2-Dichloropropane	mg/Kg			0.035			
Trichloroethene	mg/Kg			0.037			
Bromodichloromethane	mg/Kg			0.034			
cis-1,3-Dichloropropene	mg/Kg			0.034			
trans-1,3-Dichloropropylene	mg/Kg			0.033			
1,1,2-Trichloroethane	mg/Kg			0.036			
Toluene	mg/Kg	0	0.026	0.037	107	70-130	
Dibromochloromethane	mg/Kg			0.038			
Tetrachloroethylene (PCE)	mg/Kg			0.036			
Chlorobenzene	mg/Kg			0.036			
Ethylbenzene	mg/Kg	0	0.026	0.036	105	70-130	
Bromoform	mg/Kg			0.040			
1,1,2,2-Tetrachloroethane	mg/Kg			0.035			
1,3-Dichlorobenzene	mg/Kg			0.034			
1,4-Dichlorobenzene	mg/Kg			0.034			
1,2-Dichlorobenzene	mg/Kg			0.036			
Xylene (Total)	mg/Kg	0	0.079	0.11	105	70-130	
2-Chloroethyl Vinyl Ether	mg/Kg			0.024			
Acrolein (Propenal)	mg/Kg			0.084			
Acrylonitrile	mg/Kg			0.034			
1,2-Dichloroethane-d4 (S)	%	81			84	69-134	
Toluene-d8 (S)	%	95			97	72-122	
Bromofluorobenzene (S)	%	94			92	79-126	

QC Batch: EXTj/2162 Analysis Method: FL-PRO

QC Batch Method: FL-PRO Prepared: 08/19/2020 17:30

Associated Lab Samples: J2010971001, J2010971002, J2010971003

METHOD BLANK: 3588496

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				

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QUALITY CONTROL DATA

Workorder: J2010971 FIND Offload Site

METHOD BLANK: 3588496

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
TPH	mg/Kg	9.8	9.8	U
o-Terphenyl (S)	%	98	66-136	
Nonatricontane-C39 (S)	%	44	36-132	

LABORATORY CONTROL SAMPLE: 3588497

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
SEMIVOLATILES						
TPH	mg/Kg	34	33	96	49-128	
o-Terphenyl (S)	%			105	66-136	
Nonatricontane-C39 (S)	%			90	36-132	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3588498 3588499 Original: J2011278001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
SEMIVOLATILES											
TPH	mg/Kg	44	34	81	85	111	121	49-128	4	25	
o-Terphenyl (S)	%					106	115	66-136	9	25	
Nonatricontane-C39 (S)	%					127	143	36-132	13	25	J4

QUALITY CONTROL DATA QUALIFIERS

Workorder: J2010971 FIND Offload Site

QUALITY CONTROL PARAMETER QUALIFIERS

U The compound was analyzed for but not detected.

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

J4 Estimated Result

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: J2010971 FIND Offload Site

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
J2010971001	CUT 4	SW-846 3550B	EXTm/1927	SW-846 8082A	GCSm/1547
J2010971002	CUT 5	SW-846 3550B	EXTm/1927	SW-846 8082A	GCSm/1547
J2010971003	CUT 6	SW-846 3550B	EXTm/1927	SW-846 8082A	GCSm/1547
J2010971001	CUT 4	SW-846 3550B	EXTm/1937	SW-846 8270C	MSSm/1416
J2010971002	CUT 5	SW-846 3550B	EXTm/1937	SW-846 8270C	MSSm/1416
J2010971003	CUT 6	SW-846 3550B	EXTm/1937	SW-846 8270C	MSSm/1416
J2010971001	CUT 4	SW-846 3050B	DGMj/2033	SW-846 6010	ICPj/1461
J2010971002	CUT 5	SW-846 3050B	DGMj/2033	SW-846 6010	ICPj/1461
J2010971003	CUT 6	SW-846 3050B	DGMj/2033	SW-846 6010	ICPj/1461
J2010971001	CUT 4	SW-846 7471A	DGMj/2036	SW-846 7471A	CVAj/1217
J2010971002	CUT 5	SW-846 7471A	DGMj/2036	SW-846 7471A	CVAj/1217
J2010971003	CUT 6	SW-846 7471A	DGMj/2036	SW-846 7471A	CVAj/1217
J2010971001	CUT 4	SW-846 5035	MSVj/2330	SW-846 8260B	MSVj/2331
J2010971002	CUT 5	SW-846 5035	MSVj/2330	SW-846 8260B	MSVj/2331
J2010971003	CUT 6	SW-846 5035	MSVj/2330	SW-846 8260B	MSVj/2331
J2010971001	CUT 4			SM 2540G	WCAj/3099
J2010971002	CUT 5			SM 2540G	WCAj/3099
J2010971003	CUT 6			SM 2540G	WCAj/3099
J2010971001	CUT 4	FL-PRO	EXTj/2162	FL-PRO	GCSj/1804
J2010971002	CUT 5	FL-PRO	EXTj/2162	FL-PRO	GCSj/1804
J2010971003	CUT 6	FL-PRO	EXTj/2162	FL-PRO	GCSj/1804

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☐ Tampa: 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • E84589

* J 2 0 1 0 9 7 1 *

Client Name:	Taylor Engineering
Address:	10199 Southside Blvd, Suite 310
	Jacksonville, FL 32256
Phone:	904-731-7040
FAX:	
Contact:	Bill Aley
Sampled By:	BILL ALEY
Turn Around Time:	☑ STANDARD ☐ RUSH
Page	1 of 1

Project Name: FIND Offload Site

P.O. Number/Project Number: C2018-045

Project Location: FIND OFFLOAD SITE

FDEP Facility No:

Project Name and Address:

Special Instructions: Jax Profile: 35369

☐ ADaPT ☐ EQuIS

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	BOTTLE SIZE & TYPE	ANALYSIS REQUIRED: 8260 PP	8270 PP	8082 PCBs	FL-PRO	6010/7471 8 RCRA Metals+Boron						LABORATORY I.D. NUMBER
CUT 4	SOIL	G	8/11	11:55	SO	6			✓	✓	✓	✓	✓						
CUT 5	SOIL	G	8/11	11:50	SO	6			✓	✓	✓	✓	✓						
CUT 6	SOIL	G	8/11	11:45	SO	6			✓	✓	✓	✓	✓						

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge

Preservation Code: I = ice H=(HCl) S = (H_2SO_4) N = (HNO_3) T = (Sodium Thiosulfate)

Received on Ice ☑ Yes ☐ No ☑ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temperature when received 4 (in degrees celcius)

DCN: AD-051 Form last revised 08/18/2014

Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V

	Relinquished by:	Date	Time	Received by:	Date	Time
1	[signature]	8/11/20	12:53	[signature]	8.11.20	1253
2						
3						
4						

FOR DRINKING WATER USE:

(When PWS Information not otherwise supplied) PWS ID:

Contact Person: Phone :

Supplier of Water:

Site-Address:

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Friday, August 21, 2020 1:08:51 PM

Page 30 of 31

Advanced Environmental Labs Inc

Client: TAYLOR ENGINEERING Project name: FIND OFFLOAD SITE

Date/Time Rcvd: 8.11.2020/1253 Log-In request number: J2010971

Received by: KE Completed by: KE

Cooler/Shipping Information:

Courier: ☐ AEL ☒ Client ☐ UPS ☐ Blue Streak ☐ FedEx ☐ AES ☐ ASAP ☐ Other (describe):_____

Type: ☒ Cooler ☐ Box ☐ Other (describe) _____

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

Cooler ID					
Temp (°C)	4				
Temp taken from	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler
Temp measured with	☒ IR gun ID: M3A ☐ Thermometer (enter ID):	☐ IR gun ID: M3A ☐ Thermometer (enter ID):	☐ IR gun ID: M3A ☐ Thermometer (enter ID):	☐ IR gun ID: M3A ☐ Thermometer (enter ID):	☐ IR gun ID: M3A ☐ Thermometer (enter ID):

Other Information:

Any discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact?			X
2. Were custody papers properly included with samples?	✓		
3. Were custody papers properly filled out (ink, signed, match labels)?	✓		
4. Did all bottles arrive in good condition (unbroken)?	✓		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	✓		
6. Did the sample labels agree with the chain of custody?	✓		
7. Were correct bottles used for the tests indicated?	✓		
8. Were proper sample preservation techniques indicated on the label?	✓		
9. Were samples received within holding times?	✓		
10. Were all VOA vials free of the presence of air bubbles?			X
11. Have all Soil VOA Vials and Encores been placed in a freezer within 48 hours of collection?	✓		
12. Were samples in direct contact with wet ice? If "No," check one: ☐ NO ICE ☐ BLUE ICE	✓		
13. Was the cooler temperature less than 6°C?	✓		
14. Where pH preservation is required, are sample pHs checked and any anomalies recorded by Sample control? Are all <2 or >10? Note: VOA samples are checked by laboratory analysts.			X
15. Was sufficient sample volume provided to perform all tests?	✓		
16. If for Bacteriological testing, were containers supplied by AEL? (See QA officer if answer is no)			X
17. Were all sample containers provided by AEL? (Other than Bacteriological)	✓		
18. Were samples accepted into the laboratory?	✓		
19. When necessary to split samples into other bottles, is it noted in the comments?	✓		

Comments: (Note all sample(s) and container (s)" with a "No" checklist response in this comment section)

DCN: AD-D048
Eff date 2/3/10, Last rev 9/6/16

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Project No.: J2010971

Client Name: Taylor Engineering

ProjectID: FIND Offload Site

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: FL-PRO

Preparation: FL-PRO

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Surrogates: The upper control criterion was exceeded for the following surrogate in J2010971001 due to matrix interference: Nonatricontane-C39. The error associated with an elevated recovery equates to a high bias. The quality of the sample data is not significantly affected and no further corrective action was required. The data were qualified to indicate sample matrix interference.

D. Spikes: All acceptance criteria were met.

E. Internal Standard:

F. Samples: Sample analyses proceeded normally.

G. Other:

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Project No.: J2010971

Client Name: Taylor Engineering

ProjectID: FIND Offload Site

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 8082A

Preparation: SW-846 3550B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Surrogates: The upper control criterion was exceeded for the following surrogate in J2010971002 and 003 due to matrix interference: Tetrachloro-m-xylene. The error associated with an elevated recovery equates to a high bias. The quality of the sample data is not significantly affected and no further corrective action was required. The data were qualified to indicate sample matrix interference.

D. Spikes:

E. Internal Standard: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

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April 14, 2020

Bill Aley
Taylor Engineering
10199 Southside Blvd
Suite 310
Jacksonville, FL 32256

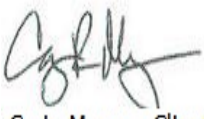
RE: Workorder: J2004667 FIND Offload Site

Dear Bill Aley:

Enclosed are the analytical results for sample(s) received by the laboratory on Friday, April 03, 2020. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

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

Sincerely,



Craig Myers - Client Services Manager
CMyers@AELLab.com

Enclosures

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SAMPLE SUMMARY

Workorder: J2004667 FIND Offload Site

Lab ID	Sample ID	Matrix	Date Collected	Date Received
J2004667001	CUT-8	Soil	4/3/2020 14:05	4/3/2020 16:11
J2004667002	CUT-7	Soil	4/3/2020 14:30	4/3/2020 16:11

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ANALYTICAL RESULTS

Workorder: J2004667 FIND Offload Site

Lab ID: **J2004667001** Date Received: 04/03/20 16:11 Matrix: Soil

Sample ID: **CUT-8** Date Collected: 04/03/20 14:05

Results for sample J2004667001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils	Preparation Method: SW-846 3050B Analytical Method: SW-846 6010							
Arsenic	**0.54**	**U**	**mg/Kg**	**1**	2.1	0.54	4/13/2020 08:51	J
Barium	**2.5**		**mg/Kg**	**1**	2.1	0.54	4/13/2020 08:51	J
Boron	**1.1**	**U**	**mg/Kg**	**1**	4.3	1.1	4/13/2020 08:51	J
Cadmium	**0.054**	**U**	**mg/Kg**	**1**	0.21	0.054	4/13/2020 08:51	J
Chromium	**2.2**		**mg/Kg**	**1**	0.86	0.21	4/13/2020 08:51	J
Lead	**2.5**		**mg/Kg**	**1**	2.1	0.54	4/13/2020 08:51	J
Selenium	**1.1**	**U**	**mg/Kg**	**1**	4.3	1.1	4/13/2020 08:51	J
Silver	**0.21**	**U**	**mg/Kg**	**1**	0.86	0.21	4/13/2020 08:51	J
Analysis Desc: SW846 7471A Analysis, Soil	Preparation Method: SW-846 7471A Analytical Method: SW-846 7471A							
Mercury	**0.015**		**mg/Kg**	**1**	0.0051	0.00071	4/7/2020 18:11	J
SEMIVOLATILES								
Analysis Desc: FL-PRO Analysis, Soil	Preparation Method: FL-PRO Analytical Method: FL-PRO							
TPH	**23**		**mg/Kg**	**1**	19	11	4/10/2020 20:03	J
o-Terphenyl (S)	**96**		**%**	**1**	66-136		4/10/2020 20:03	
Nonatricontane-C39 (S)	**110**		**%**	**1**	36-132		4/10/2020 20:03	
Analysis Desc: 8082A PCB Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8082A							
Aroclor 1016 (PCB-1016)	**0.0072**	**U**	**mg/Kg**	**1**	0.039	0.0072	4/10/2020 16:34	J
Aroclor 1221 (PCB-1221)	**0.014**	**U**	**mg/Kg**	**1**	0.039	0.014	4/10/2020 16:34	J
Aroclor 1232 (PCB-1232)	**0.034**	**U**	**mg/Kg**	**1**	0.039	0.034	4/10/2020 16:34	J
Aroclor 1242 (PCB-1242)	**0.0092**	**U**	**mg/Kg**	**1**	0.039	0.0092	4/10/2020 16:34	J
Aroclor 1248 (PCB-1248)	**0.024**	**U**	**mg/Kg**	**1**	0.039	0.024	4/10/2020 16:34	J
Aroclor 1254 (PCB-1254)	**0.016**	**U**	**mg/Kg**	**1**	0.039	0.016	4/10/2020 16:34	J
Aroclor 1260 (PCB-1260)	**0.0082**	**U**	**mg/Kg**	**1**	0.039	0.0082	4/10/2020 16:34	J
Tetrachloro-m-xylene (S)	**90**		**%**	**1**	44-130		4/10/2020 16:34	
Decachlorobiphenyl (S)	**118**		**%**	**1**	61-147		4/10/2020 16:34	
Analysis Desc: 8270C Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8270C							
1,2,4-Trichlorobenzene	**0.064**	**U**	**mg/Kg**	**1**	0.18	0.064	4/9/2020 17:12	J

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ANALYTICAL RESULTS

Workorder: J2004667 FIND Offload Site

Lab ID: **J2004667001** Date Received: 04/03/20 16:11 Matrix: Soil

Sample ID: **CUT-8** Date Collected: 04/03/20 14:05

Results for sample J2004667001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,2-Dichlorobenzene	**0.11**	**U**	**mg/Kg**	**1**	0.18	0.11	4/9/2020 17:12	J
1,2-Diphenylhydrazine	**0.16**	**U**	**mg/Kg**	**1**	0.18	0.16	4/9/2020 17:12	J
1,3-Dichlorobenzene	**0.10**	**U**	**mg/Kg**	**1**	0.18	0.10	4/9/2020 17:12	J
1,4-Dichlorobenzene	**0.10**	**U**	**mg/Kg**	**1**	0.18	0.10	4/9/2020 17:12	J
1-Methylnaphthalene	**0.0026**	**U**	**mg/Kg**	**1**	0.0073	0.0026	4/9/2020 17:12	J
2,4,6-Trichlorophenol	**0.095**	**U**	**mg/Kg**	**1**	0.18	0.095	4/9/2020 17:12	J
2,4-Dichlorophenol	**0.067**	**U**	**mg/Kg**	**1**	0.18	0.067	4/9/2020 17:12	J
2,4-Dimethylphenol	**0.11**	**U**	**mg/Kg**	**1**	0.18	0.11	4/9/2020 17:12	J
2,4-Dinitrophenol	**0.067**	**U**	**mg/Kg**	**1**	0.36	0.067	4/9/2020 17:12	J
2,4-Dinitrotoluene (2,4-DNT)	**0.084**	**U**	**mg/Kg**	**1**	0.18	0.084	4/9/2020 17:12	J
2,6-Dinitrotoluene (2,6-DNT)	**0.086**	**U**	**mg/Kg**	**1**	0.18	0.086	4/9/2020 17:12	J
2-Chloronaphthalene	**0.12**	**U**	**mg/Kg**	**1**	0.18	0.12	4/9/2020 17:12	J
2-Chlorophenol	**0.098**	**U**	**mg/Kg**	**1**	0.18	0.098	4/9/2020 17:12	J
2-Methyl-4,6-dinitrophenol	**0.074**	**U**	**mg/Kg**	**1**	0.36	0.074	4/9/2020 17:12	J
2-Methylnaphthalene	**0.0025**	**U**	**mg/Kg**	**1**	0.0073	0.0025	4/9/2020 17:12	J
2-Nitrophenol	**0.070**	**U**	**mg/Kg**	**1**	0.18	0.070	4/9/2020 17:12	J
3,3`-Dichlorobenzidine	**0.10**	**U**	**mg/Kg**	**1**	0.18	0.10	4/9/2020 17:12	J
4-Bromophenyl Phenyl Ether	**0.088**	**U**	**mg/Kg**	**1**	0.18	0.088	4/9/2020 17:12	J
4-Chloro-3-methylphenol	**0.094**	**U**	**mg/Kg**	**1**	0.18	0.094	4/9/2020 17:12	J
4-Chlorophenyl Phenyl Ether	**0.10**	**U**	**mg/Kg**	**1**	0.18	0.10	4/9/2020 17:12	J
4-Nitrophenol	**0.16**	**U**	**mg/Kg**	**1**	0.18	0.16	4/9/2020 17:12	J
Acenaphthene	**0.0028**	**U**	**mg/Kg**	**1**	0.0073	0.0028	4/9/2020 17:12	J
Acenaphthylene	**0.0037**	**U**	**mg/Kg**	**1**	0.0073	0.0037	4/9/2020 17:12	J
Anthracene	**0.0039**	**U**	**mg/Kg**	**1**	0.0073	0.0039	4/9/2020 17:12	J
Benzidine	**0.039**	**U**	**mg/Kg**	**1**	0.18	0.039	4/9/2020 17:12	J
Benzo[a]anthracene	**0.0045**	**U**	**mg/Kg**	**1**	0.0073	0.0045	4/9/2020 17:12	J
Benzo[a]pyrene	**0.0064**	**U**	**mg/Kg**	**1**	0.0073	0.0064	4/9/2020 17:12	J
Benzo[b]fluoranthene	**0.0046**	**U**	**mg/Kg**	**1**	0.0073	0.0046	4/9/2020 17:12	J
Benzo[g,h,i]perylene	**0.0052**	**U**	**mg/Kg**	**1**	0.0073	0.0052	4/9/2020 17:12	J
Benzo[k]fluoranthene	**0.0044**	**U**	**mg/Kg**	**1**	0.0073	0.0044	4/9/2020 17:12	J
Butyl benzyl phthalate	**0.15**	**U**	**mg/Kg**	**1**	0.18	0.15	4/9/2020 17:12	J
Chrysene	**0.0048**	**U**	**mg/Kg**	**1**	0.0073	0.0048	4/9/2020 17:12	J
Di-n-Butyl Phthalate	**0.17**	**U**	**mg/Kg**	**1**	0.18	0.17	4/9/2020 17:12	J
Di-n-octyl Phthalate	**0.15**	**U**	**mg/Kg**	**1**	0.18	0.15	4/9/2020 17:12	J
Dibenzo[a,h]anthracene	**0.0038**	**U**	**mg/Kg**	**1**	0.18	0.0038	4/9/2020 17:12	J
Diethyl phthalate	**0.13**	**U**	**mg/Kg**	**1**	0.18	0.13	4/9/2020 17:12	J
Dimethyl phthalate	**0.11**	**U**	**mg/Kg**	**1**	0.36	0.11	4/9/2020 17:12	J
Fluoranthene	**0.0041**	**U**	**mg/Kg**	**1**	0.0073	0.0041	4/9/2020 17:12	J
Fluorene	**0.0032**	**U**	**mg/Kg**	**1**	0.0073	0.0032	4/9/2020 17:12	J
Hexachlorobenzene	**0.090**	**U**	**mg/Kg**	**1**	0.18	0.090	4/9/2020 17:12	J

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ANALYTICAL RESULTS

Workorder: J2004667 FIND Offload Site

Lab ID: **J2004667001** Date Received: 04/03/20 16:11 Matrix: Soil

Sample ID: **CUT-8** Date Collected: 04/03/20 14:05

Results for sample J2004667001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Hexachlorobutadiene	**0.061**	**U**	**mg/Kg**	**1**	0.18	0.061	4/9/2020 17:12	J
Hexachlorocyclopentadiene	**0.061**	**U**	**mg/Kg**	**1**	0.18	0.061	4/9/2020 17:12	J
Hexachloroethane	**0.10**	**U**	**mg/Kg**	**1**	0.18	0.10	4/9/2020 17:12	J
Indeno(1,2,3-cd)pyrene	**0.0041**	**U**	**mg/Kg**	**1**	0.0073	0.0041	4/9/2020 17:12	J
Isophorone	**0.099**	**U**	**mg/Kg**	**1**	0.18	0.099	4/9/2020 17:12	J
N-Nitrosodi-n-propylamine	**0.029**	**U**	**mg/Kg**	**1**	0.18	0.029	4/9/2020 17:12	J
N-Nitrosodimethylamine	**0.13**	**U**	**mg/Kg**	**1**	0.18	0.13	4/9/2020 17:12	J
N-Nitrosodiphenylamine	**0.096**	**U**	**mg/Kg**	**1**	0.18	0.096	4/9/2020 17:12	J
Naphthalene	**0.0026**	**U**	**mg/Kg**	**1**	0.0073	0.0026	4/9/2020 17:12	J
Nitrobenzene	**0.15**	**U**	**mg/Kg**	**1**	0.18	0.15	4/9/2020 17:12	J
Pentachlorophenol	**0.063**	**U**	**mg/Kg**	**1**	0.18	0.063	4/9/2020 17:12	J
Phenanthrene	**0.0034**	**U**	**mg/Kg**	**1**	0.0073	0.0034	4/9/2020 17:12	J
Phenol	**0.13**	**U**	**mg/Kg**	**1**	0.18	0.13	4/9/2020 17:12	J
Pyrene	**0.0045**	**U**	**mg/Kg**	**1**	0.0073	0.0045	4/9/2020 17:12	J
bis(2-Chloroethoxy)methane	**0.13**	**U**	**mg/Kg**	**1**	0.18	0.13	4/9/2020 17:12	J
bis(2-Chloroethyl)Ether	**0.11**	**U**	**mg/Kg**	**1**	0.18	0.11	4/9/2020 17:12	J
bis(2-Chloroisopropyl) Ether	**0.11**	**U**	**mg/Kg**	**1**	0.18	0.11	4/9/2020 17:12	J
bis(2-Ethylhexyl) phthalate	**0.15**	**U**	**mg/Kg**	**1**	0.18	0.15	4/9/2020 17:12	J
2-Fluorophenol (S)	**80**		**%**	**1**	35-115		4/9/2020 17:12	
Phenol-d6 (S)	**83**		**%**	**1**	33-122		4/9/2020 17:12	
Nitrobenzene-d5 (S)	**77**		**%**	**1**	37-122		4/9/2020 17:12	
2-Fluorobiphenyl (S)	**79**		**%**	**1**	44-115		4/9/2020 17:12	
2,4,6-Tribromophenol (S)	**91**		**%**	**1**	39-132		4/9/2020 17:12	
p-Terphenyl-d14 (S)	**82**		**%**	**1**	54-127		4/9/2020 17:12	

VOLATILES

Analysis Desc: 8260B VOCs Analysis, Soil — Preparation Method: SW-846 5035; Analytical Method: SW-846 8260B

1,1,1-Trichloroethane	**0.0013**	**U**	**mg/Kg**	**1**	0.0027	0.0013	4/7/2020 08:42	J
1,1,2,2-Tetrachloroethane	**0.0018**	**U**	**mg/Kg**	**1**	0.0027	0.0018	4/7/2020 08:42	J
1,1,2-Trichloroethane	**0.0012**	**U**	**mg/Kg**	**1**	0.0027	0.0012	4/7/2020 08:42	J
1,1-Dichloroethane	**0.0012**	**U**	**mg/Kg**	**1**	0.0027	0.0012	4/7/2020 08:42	J
1,1-Dichloroethylene	**0.0011**	**U**	**mg/Kg**	**1**	0.0027	0.0011	4/7/2020 08:42	J
1,2-Dichlorobenzene	**0.0012**	**U,J4**	**mg/Kg**	**1**	0.0027	0.0012	4/7/2020 08:42	J
1,2-Dichloroethane	**0.0013**	**U**	**mg/Kg**	**1**	0.0027	0.0013	4/7/2020 08:42	J
1,2-Dichloropropane	**0.0011**	**U**	**mg/Kg**	**1**	0.0027	0.0011	4/7/2020 08:42	J
1,3-Dichlorobenzene	**0.0012**	**U,J4**	**mg/Kg**	**1**	0.0027	0.0012	4/7/2020 08:42	J
1,4-Dichlorobenzene	**0.0010**	**U**	**mg/Kg**	**1**	0.0027	0.0010	4/7/2020 08:42	J
2-Chloroethyl Vinyl Ether	**0.00070**	**U**	**mg/Kg**	**1**	0.0046	0.00070	4/7/2020 08:42	J

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ANALYTICAL RESULTS

Workorder: J2004667 FIND Offload Site

Lab ID: **J2004667001** Date Received: 04/03/20 16:11 Matrix: Soil

Sample ID: **CUT-8** Date Collected: 04/03/20 14:05

Results for sample J2004667001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Acrolein (Propenal)	**0.0060**	**U**	**mg/Kg**	**1**	0.014	0.0060	4/7/2020 08:42	J
Acrylonitrile	**0.0047**	**U**	**mg/Kg**	**1**	0.014	0.0047	4/7/2020 08:42	J
Benzene	**0.0011**	**U**	**mg/Kg**	**1**	0.0027	0.0011	4/7/2020 08:42	J
Bromodichloromethane	**0.0012**	**U**	**mg/Kg**	**1**	0.0027	0.0012	4/7/2020 08:42	J
Bromoform	**0.0018**	**U**	**mg/Kg**	**1**	0.0046	0.0018	4/7/2020 08:42	J
Bromomethane	**0.0012**	**U**	**mg/Kg**	**1**	0.0027	0.0012	4/7/2020 08:42	J
Carbon Tetrachloride	**0.0013**	**U**	**mg/Kg**	**1**	0.0027	0.0013	4/7/2020 08:42	J
Chlorobenzene	**0.0013**	**U**	**mg/Kg**	**1**	0.0027	0.0013	4/7/2020 08:42	J
Chloroethane	**0.00092**	**U**	**mg/Kg**	**1**	0.0027	0.00092	4/7/2020 08:42	J
Chloroform	**0.0012**	**U**	**mg/Kg**	**1**	0.0027	0.0012	4/7/2020 08:42	J
Chloromethane	**0.00093**	**U**	**mg/Kg**	**1**	0.0027	0.00093	4/7/2020 08:42	J
Dibromochloromethane	**0.0012**	**U**	**mg/Kg**	**1**	0.0027	0.0012	4/7/2020 08:42	J
Dichlorodifluoromethane	**0.00077**	**U**	**mg/Kg**	**1**	0.0027	0.00077	4/7/2020 08:42	J
Ethylbenzene	**0.0010**	**U**	**mg/Kg**	**1**	0.0027	0.0010	4/7/2020 08:42	J
Methyl tert-butyl Ether (MTBE)	**0.0010**	**U**	**mg/Kg**	**1**	0.0027	0.0010	4/7/2020 08:42	J
Methylene Chloride	**0.0026**	**U**	**mg/Kg**	**1**	0.0092	0.0026	4/7/2020 08:42	J
Tetrachloroethylene (PCE)	**0.0011**	**U**	**mg/Kg**	**1**	0.0027	0.0011	4/7/2020 08:42	J
Toluene	**0.0013**	**U**	**mg/Kg**	**1**	0.0027	0.0013	4/7/2020 08:42	J
Trichloroethene	**0.00093**	**U**	**mg/Kg**	**1**	0.0027	0.00093	4/7/2020 08:42	J
Trichlorofluoromethane	**0.00083**	**U**	**mg/Kg**	**1**	0.0027	0.00083	4/7/2020 08:42	J
Vinyl Chloride	**0.0011**	**U**	**mg/Kg**	**1**	0.0027	0.0011	4/7/2020 08:42	J
Xylene (Total)	**0.0035**	**U**	**mg/Kg**	**1**	0.0082	0.0035	4/7/2020 08:42	J
cis-1,2-Dichloroethylene	**0.0013**	**U**	**mg/Kg**	**1**	0.0027	0.0013	4/7/2020 08:42	J
cis-1,3-Dichloropropene	**0.00097**	**U**	**mg/Kg**	**1**	0.0027	0.00097	4/7/2020 08:42	J
trans-1,2-Dichloroethylene	**0.00090**	**U**	**mg/Kg**	**1**	0.0027	0.00090	4/7/2020 08:42	J
trans-1,3-Dichloropropylene	**0.00069**	**U**	**mg/Kg**	**1**	0.0027	0.00069	4/7/2020 08:42	J
1,2-Dichloroethane-d4 (S)	**98**		**%**	**1**	69-134		4/7/2020 08:42	
Toluene-d8 (S)	**94**		**%**	**1**	72-122		4/7/2020 08:42	
Bromofluorobenzene (S)	**111**		**%**	**1**	79-126		4/7/2020 08:42	

VOLATILES

Analysis Desc: Percent Solids,SM2540G,Soil	Analytical Method: SM 2540G							
Percent Moisture	**8.9**		**%**	**1**	0.0010	0.0010	4/8/2020 13:48	J

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ANALYTICAL RESULTS

Workorder: J2004667 FIND Offload Site

Lab ID: **J2004667002** Date Received: 04/03/20 16:11 Matrix: Soil

Sample ID: **CUT-7** Date Collected: 04/03/20 14:30

Results for sample J2004667002 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils	Preparation Method: SW-846 3050B Analytical Method: SW-846 6010							
Arsenic	**0.53**	**U**	**mg/Kg**	**1**	2.1	0.53	4/13/2020 09:40	J
Barium	**6.2**		**mg/Kg**	**1**	2.1	0.53	4/13/2020 09:40	J
Boron	**1.1**	**U**	**mg/Kg**	**1**	4.2	1.1	4/13/2020 09:40	J
Cadmium	**0.053**	**U**	**mg/Kg**	**1**	0.21	0.053	4/13/2020 09:40	J
Chromium	**2.0**		**mg/Kg**	**1**	0.84	0.21	4/13/2020 09:40	J
Lead	**0.53**	**U**	**mg/Kg**	**1**	2.1	0.53	4/13/2020 09:40	J
Selenium	**1.1**	**U**	**mg/Kg**	**1**	4.2	1.1	4/13/2020 09:40	J
Silver	**0.21**	**U**	**mg/Kg**	**1**	0.84	0.21	4/13/2020 09:40	J
Analysis Desc: SW846 7471A Analysis, Soil	Preparation Method: SW-846 7471A Analytical Method: SW-846 7471A							
Mercury	**0.0034**	**I**	**mg/Kg**	**1**	0.0051	0.00071	4/7/2020 18:14	J
SEMIVOLATILES								
Analysis Desc: FL-PRO Analysis, Soil	Preparation Method: FL-PRO Analytical Method: FL-PRO							
TPH	**12**	**I**	**mg/Kg**	**1**	18	10	4/10/2020 20:34	J
o-Terphenyl (S)	**93**		**%**	**1**	66-136		4/10/2020 20:34	
Nonatricontane-C39 (S)	**111**		**%**	**1**	36-132		4/10/2020 20:34	
Analysis Desc: 8082A PCB Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8082A							
Aroclor 1016 (PCB-1016)	**0.0069**	**U**	**mg/Kg**	**1**	0.037	0.0069	4/10/2020 16:56	J
Aroclor 1221 (PCB-1221)	**0.013**	**U**	**mg/Kg**	**1**	0.037	0.013	4/10/2020 16:56	J
Aroclor 1232 (PCB-1232)	**0.032**	**U**	**mg/Kg**	**1**	0.037	0.032	4/10/2020 16:56	J
Aroclor 1242 (PCB-1242)	**0.0088**	**U**	**mg/Kg**	**1**	0.037	0.0088	4/10/2020 16:56	J
Aroclor 1248 (PCB-1248)	**0.023**	**U**	**mg/Kg**	**1**	0.037	0.023	4/10/2020 16:56	J
Aroclor 1254 (PCB-1254)	**0.016**	**U**	**mg/Kg**	**1**	0.037	0.016	4/10/2020 16:56	J
Aroclor 1260 (PCB-1260)	**0.0078**	**U**	**mg/Kg**	**1**	0.037	0.0078	4/10/2020 16:56	J
Tetrachloro-m-xylene (S)	**96**		**%**	**1**	44-130		4/10/2020 16:56	
Decachlorobiphenyl (S)	**119**		**%**	**1**	61-147		4/10/2020 16:56	
Analysis Desc: 8270C Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8270C							
1,2,4-Trichlorobenzene	**0.063**	**U**	**mg/Kg**	**1**	0.18	0.063	4/9/2020 17:58	J

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ANALYTICAL RESULTS

Workorder: J2004667 FIND Offload Site

Lab ID: **J2004667002** Date Received: 04/03/20 16:11 Matrix: Soil

Sample ID: **CUT-7** Date Collected: 04/03/20 14:30

Results for sample J2004667002 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,2-Dichlorobenzene	**0.11**	**U**	**mg/Kg**	**1**	0.18	0.11	4/9/2020 17:58	J
1,2-Diphenylhydrazine	**0.15**	**U**	**mg/Kg**	**1**	0.18	0.15	4/9/2020 17:58	J
1,3-Dichlorobenzene	**0.10**	**U**	**mg/Kg**	**1**	0.18	0.10	4/9/2020 17:58	J
1,4-Dichlorobenzene	**0.10**	**U**	**mg/Kg**	**1**	0.18	0.10	4/9/2020 17:58	J
1-Methylnaphthalene	**0.0025**	**U**	**mg/Kg**	**1**	0.0071	0.0025	4/9/2020 17:58	J
2,4,6-Trichlorophenol	**0.094**	**U**	**mg/Kg**	**1**	0.18	0.094	4/9/2020 17:58	J
2,4-Dichlorophenol	**0.066**	**U**	**mg/Kg**	**1**	0.18	0.066	4/9/2020 17:58	J
2,4-Dimethylphenol	**0.11**	**U**	**mg/Kg**	**1**	0.18	0.11	4/9/2020 17:58	J
2,4-Dinitrophenol	**0.065**	**U**	**mg/Kg**	**1**	0.36	0.065	4/9/2020 17:58	J
2,4-Dinitrotoluene (2,4-DNT)	**0.082**	**U**	**mg/Kg**	**1**	0.18	0.082	4/9/2020 17:58	J
2,6-Dinitrotoluene (2,6-DNT)	**0.084**	**U**	**mg/Kg**	**1**	0.18	0.084	4/9/2020 17:58	J
2-Chloronaphthalene	**0.12**	**U**	**mg/Kg**	**1**	0.18	0.12	4/9/2020 17:58	J
2-Chlorophenol	**0.097**	**U**	**mg/Kg**	**1**	0.18	0.097	4/9/2020 17:58	J
2-Methyl-4,6-dinitrophenol	**0.072**	**U**	**mg/Kg**	**1**	0.36	0.072	4/9/2020 17:58	J
2-Methylnaphthalene	**0.0025**	**U**	**mg/Kg**	**1**	0.0071	0.0025	4/9/2020 17:58	J
2-Nitrophenol	**0.068**	**U**	**mg/Kg**	**1**	0.18	0.068	4/9/2020 17:58	J
3,3`-Dichlorobenzidine	**0.098**	**U**	**mg/Kg**	**1**	0.18	0.098	4/9/2020 17:58	J
4-Bromophenyl Phenyl Ether	**0.086**	**U**	**mg/Kg**	**1**	0.18	0.086	4/9/2020 17:58	J
4-Chloro-3-methylphenol	**0.092**	**U**	**mg/Kg**	**1**	0.18	0.092	4/9/2020 17:58	J
4-Chlorophenyl Phenyl Ether	**0.10**	**U**	**mg/Kg**	**1**	0.18	0.10	4/9/2020 17:58	J
4-Nitrophenol	**0.15**	**U**	**mg/Kg**	**1**	0.18	0.15	4/9/2020 17:58	J
Acenaphthene	**0.0028**	**U**	**mg/Kg**	**1**	0.0071	0.0028	4/9/2020 17:58	J
Acenaphthylene	**0.0037**	**U**	**mg/Kg**	**1**	0.0071	0.0037	4/9/2020 17:58	J
Anthracene	**0.0038**	**U**	**mg/Kg**	**1**	0.0071	0.0038	4/9/2020 17:58	J
Benzidine	**0.038**	**U**	**mg/Kg**	**1**	0.18	0.038	4/9/2020 17:58	J
Benzo[a]anthracene	**0.0044**	**U**	**mg/Kg**	**1**	0.0071	0.0044	4/9/2020 17:58	J
Benzo[a]pyrene	**0.0063**	**U**	**mg/Kg**	**1**	0.0071	0.0063	4/9/2020 17:58	J
Benzo[b]fluoranthene	**0.0045**	**U**	**mg/Kg**	**1**	0.0071	0.0045	4/9/2020 17:58	J
Benzo[g,h,i]perylene	**0.0051**	**U**	**mg/Kg**	**1**	0.0071	0.0051	4/9/2020 17:58	J
Benzo[k]fluoranthene	**0.0043**	**U**	**mg/Kg**	**1**	0.0071	0.0043	4/9/2020 17:58	J
Butyl benzyl phthalate	**0.15**	**U**	**mg/Kg**	**1**	0.18	0.15	4/9/2020 17:58	J
Chrysene	**0.0047**	**U**	**mg/Kg**	**1**	0.0071	0.0047	4/9/2020 17:58	J
Di-n-Butyl Phthalate	**0.17**	**U**	**mg/Kg**	**1**	0.18	0.17	4/9/2020 17:58	J
Di-n-octyl Phthalate	**0.15**	**U**	**mg/Kg**	**1**	0.18	0.15	4/9/2020 17:58	J
Dibenzo[a,h]anthracene	**0.0037**	**U**	**mg/Kg**	**1**	0.18	0.0037	4/9/2020 17:58	J
Diethyl phthalate	**0.13**	**U**	**mg/Kg**	**1**	0.18	0.13	4/9/2020 17:58	J
Dimethyl phthalate	**0.11**	**U**	**mg/Kg**	**1**	0.36	0.11	4/9/2020 17:58	J
Fluoranthene	**0.0041**	**U**	**mg/Kg**	**1**	0.0071	0.0041	4/9/2020 17:58	J
Fluorene	**0.0032**	**U**	**mg/Kg**	**1**	0.0071	0.0032	4/9/2020 17:58	J
Hexachlorobenzene	**0.088**	**U**	**mg/Kg**	**1**	0.18	0.088	4/9/2020 17:58	J

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ANALYTICAL RESULTS

Workorder: J2004667 FIND Offload Site

Lab ID: **J2004667002** Date Received: 04/03/20 16:11 Matrix: Soil

Sample ID: **CUT-7** Date Collected: 04/03/20 14:30

Results for sample J2004667002 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Hexachlorobutadiene	**0.060**	**U**	**mg/Kg**	**1**	0.18	0.060	4/9/2020 17:58	J
Hexachlorocyclopentadiene	**0.060**	**U**	**mg/Kg**	**1**	0.18	0.060	4/9/2020 17:58	J
Hexachloroethane	**0.10**	**U**	**mg/Kg**	**1**	0.18	0.10	4/9/2020 17:58	J
Indeno(1,2,3-cd)pyrene	**0.0041**	**U**	**mg/Kg**	**1**	0.0071	0.0041	4/9/2020 17:58	J
Isophorone	**0.097**	**U**	**mg/Kg**	**1**	0.18	0.097	4/9/2020 17:58	J
N-Nitrosodi-n-propylamine	**0.028**	**U**	**mg/Kg**	**1**	0.18	0.028	4/9/2020 17:58	J
N-Nitrosodimethylamine	**0.13**	**U**	**mg/Kg**	**1**	0.18	0.13	4/9/2020 17:58	J
N-Nitrosodiphenylamine	**0.094**	**U**	**mg/Kg**	**1**	0.18	0.094	4/9/2020 17:58	J
Naphthalene	**0.0026**	**U**	**mg/Kg**	**1**	0.0071	0.0026	4/9/2020 17:58	J
Nitrobenzene	**0.14**	**U**	**mg/Kg**	**1**	0.18	0.14	4/9/2020 17:58	J
Pentachlorophenol	**0.062**	**U**	**mg/Kg**	**1**	0.18	0.062	4/9/2020 17:58	J
Phenanthrene	**0.0033**	**U**	**mg/Kg**	**1**	0.0071	0.0033	4/9/2020 17:58	J
Phenol	**0.12**	**U**	**mg/Kg**	**1**	0.18	0.12	4/9/2020 17:58	J
Pyrene	**0.0044**	**U**	**mg/Kg**	**1**	0.0071	0.0044	4/9/2020 17:58	J
bis(2-Chloroethoxy)methane	**0.13**	**U**	**mg/Kg**	**1**	0.18	0.13	4/9/2020 17:58	J
bis(2-Chloroethyl)Ether	**0.11**	**U**	**mg/Kg**	**1**	0.18	0.11	4/9/2020 17:58	J
bis(2-Chloroisopropyl) Ether	**0.11**	**U**	**mg/Kg**	**1**	0.18	0.11	4/9/2020 17:58	J
bis(2-Ethylhexyl) phthalate	**0.14**	**U**	**mg/Kg**	**1**	0.18	0.14	4/9/2020 17:58	J
2-Fluorophenol (S)	**84**		**%**	**1**	35-115		4/9/2020 17:58	
Phenol-d6 (S)	**87**		**%**	**1**	33-122		4/9/2020 17:58	
Nitrobenzene-d5 (S)	**81**		**%**	**1**	37-122		4/9/2020 17:58	
2-Fluorobiphenyl (S)	**81**		**%**	**1**	44-115		4/9/2020 17:58	
2,4,6-Tribromophenol (S)	**86**		**%**	**1**	39-132		4/9/2020 17:58	
p-Terphenyl-d14 (S)	**83**		**%**	**1**	54-127		4/9/2020 17:58	

VOLATILES

Analysis Desc: 8260B VOCs Analysis, Soil — Preparation Method: SW-846 5035; Analytical Method: SW-846 8260B

1,1,1-Trichloroethane	**0.0010**	**U**	**mg/Kg**	**1**	0.0022	0.0010	4/7/2020 09:10	J
1,1,2,2-Tetrachloroethane	**0.0014**	**U**	**mg/Kg**	**1**	0.0022	0.0014	4/7/2020 09:10	J
1,1,2-Trichloroethane	**0.00097**	**U**	**mg/Kg**	**1**	0.0022	0.00097	4/7/2020 09:10	J
1,1-Dichloroethane	**0.00092**	**U**	**mg/Kg**	**1**	0.0022	0.00092	4/7/2020 09:10	J
1,1-Dichloroethylene	**0.00087**	**U**	**mg/Kg**	**1**	0.0022	0.00087	4/7/2020 09:10	J
1,2-Dichlorobenzene	**0.00096**	**U**	**mg/Kg**	**1**	0.0022	0.00096	4/7/2020 09:10	J
1,2-Dichloroethane	**0.0010**	**U**	**mg/Kg**	**1**	0.0022	0.0010	4/7/2020 09:10	J
1,2-Dichloropropane	**0.00089**	**U**	**mg/Kg**	**1**	0.0022	0.00089	4/7/2020 09:10	J
1,3-Dichlorobenzene	**0.00092**	**U**	**mg/Kg**	**1**	0.0022	0.00092	4/7/2020 09:10	J
1,4-Dichlorobenzene	**0.00082**	**U**	**mg/Kg**	**1**	0.0022	0.00082	4/7/2020 09:10	J
2-Chloroethyl Vinyl Ether	**0.00055**	**U**	**mg/Kg**	**1**	0.0036	0.00055	4/7/2020 09:10	J

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ANALYTICAL RESULTS

Workorder: J2004667 FIND Offload Site

Lab ID: **J2004667002** Date Received: 04/03/20 16:11 Matrix: Soil

Sample ID: **CUT-7** Date Collected: 04/03/20 14:30

Results for sample J2004667002 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Acrolein (Propenal)	**0.0047**	**U**	**mg/Kg**	**1**	0.011	0.0047	4/7/2020 09:10	J
Acrylonitrile	**0.0037**	**U**	**mg/Kg**	**1**	0.011	0.0037	4/7/2020 09:10	J
Benzene	**0.00088**	**U**	**mg/Kg**	**1**	0.0022	0.00088	4/7/2020 09:10	J
Bromodichloromethane	**0.00096**	**U**	**mg/Kg**	**1**	0.0022	0.00096	4/7/2020 09:10	J
Bromoform	**0.0014**	**U**	**mg/Kg**	**1**	0.0036	0.0014	4/7/2020 09:10	J
Bromomethane	**0.00093**	**U**	**mg/Kg**	**1**	0.0022	0.00093	4/7/2020 09:10	J
Carbon Tetrachloride	**0.0010**	**U**	**mg/Kg**	**1**	0.0022	0.0010	4/7/2020 09:10	J
Chlorobenzene	**0.0010**	**U**	**mg/Kg**	**1**	0.0022	0.0010	4/7/2020 09:10	J
Chloroethane	**0.00072**	**U**	**mg/Kg**	**1**	0.0022	0.00072	4/7/2020 09:10	J
Chloroform	**0.00095**	**U**	**mg/Kg**	**1**	0.0022	0.00095	4/7/2020 09:10	J
Chloromethane	**0.00074**	**U**	**mg/Kg**	**1**	0.0022	0.00074	4/7/2020 09:10	J
Dibromochloromethane	**0.00094**	**U**	**mg/Kg**	**1**	0.0022	0.00094	4/7/2020 09:10	J
Dichlorodifluoromethane	**0.00061**	**U**	**mg/Kg**	**1**	0.0022	0.00061	4/7/2020 09:10	J
Ethylbenzene	**0.00079**	**U**	**mg/Kg**	**1**	0.0022	0.00079	4/7/2020 09:10	J
Methyl tert-butyl Ether (MTBE)	**0.00082**	**U**	**mg/Kg**	**1**	0.0022	0.00082	4/7/2020 09:10	J
Methylene Chloride	**0.0020**	**U**	**mg/Kg**	**1**	0.0072	0.0020	4/7/2020 09:10	J
Tetrachloroethylene (PCE)	**0.00088**	**U**	**mg/Kg**	**1**	0.0022	0.00088	4/7/2020 09:10	J
Toluene	**0.0010**	**U**	**mg/Kg**	**1**	0.0022	0.0010	4/7/2020 09:10	J
Trichloroethene	**0.00074**	**U**	**mg/Kg**	**1**	0.0022	0.00074	4/7/2020 09:10	J
Trichlorofluoromethane	**0.00066**	**U**	**mg/Kg**	**1**	0.0022	0.00066	4/7/2020 09:10	J
Vinyl Chloride	**0.00088**	**U**	**mg/Kg**	**1**	0.0022	0.00088	4/7/2020 09:10	J
Xylene (Total)	**0.0027**	**U**	**mg/Kg**	**1**	0.0065	0.0027	4/7/2020 09:10	J
cis-1,2-Dichloroethylene	**0.0010**	**U**	**mg/Kg**	**1**	0.0022	0.0010	4/7/2020 09:10	J
cis-1,3-Dichloropropene	**0.00077**	**U**	**mg/Kg**	**1**	0.0022	0.00077	4/7/2020 09:10	J
trans-1,2-Dichloroethylene	**0.00071**	**U**	**mg/Kg**	**1**	0.0022	0.00071	4/7/2020 09:10	J
trans-1,3-Dichloropropylene	**0.00054**	**U**	**mg/Kg**	**1**	0.0022	0.00054	4/7/2020 09:10	J
1,2-Dichloroethane-d4 (S)	**100**		**%**	**1**	69-134		4/7/2020 09:10	
Toluene-d8 (S)	**93**		**%**	**1**	72-122		4/7/2020 09:10	
Bromofluorobenzene (S)	**105**		**%**	**1**	79-126		4/7/2020 09:10	

VOLATILES

Analysis Desc: Percent Solids,SM2540G,Soil	Analytical Method: SM 2540G							
Percent Moisture	**6.6**		**%**	**1**	0.0010	0.0010	4/8/2020 13:48	J

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ANALYTICAL RESULTS QUALIFIERS

Workorder: J2004667 FIND Offload Site

PARAMETER QUALIFIERS

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J4	Estimated Result

LAB QUALIFIERS

J	DOH Certification #E82574(AEL-JAX)(FL NELAC Certification)

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QUALITY CONTROL DATA

Workorder: J2004667 FIND Offload Site

QC Batch: EXTj/1517 Analysis Method: SW-846 8270C

QC Batch Method: SW-846 3550B Prepared: 04/06/2020 10:00

Associated Lab Samples: J2004667001, J2004667002

METHOD BLANK: 3439151

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
Phenol	mg/Kg	0.11	0.11	U
2-Chlorophenol	mg/Kg	0.089	0.089	U
2-Nitrophenol	mg/Kg	0.063	0.063	U
2,4-Dimethylphenol	mg/Kg	0.097	0.097	U
2,4-Dichlorophenol	mg/Kg	0.061	0.061	U
4-Chloro-3-methylphenol	mg/Kg	0.085	0.085	U
2,4,6-Trichlorophenol	mg/Kg	0.087	0.087	U
2,4-Dinitrophenol	mg/Kg	0.060	0.060	U
4-Nitrophenol	mg/Kg	0.14	0.14	U
2-Methyl-4,6-dinitrophenol	mg/Kg	0.067	0.067	U
Pentachlorophenol	mg/Kg	0.057	0.057	U
N-Nitrosodimethylamine	mg/Kg	0.12	0.12	U
bis(2-Chloroethyl)Ether	mg/Kg	0.099	0.099	U
1,3-Dichlorobenzene	mg/Kg	0.094	0.094	U
1,4-Dichlorobenzene	mg/Kg	0.093	0.093	U
1,2-Dichlorobenzene	mg/Kg	0.097	0.097	U
bis(2-Chloroisopropyl) Ether	mg/Kg	0.10	0.10	U
N-Nitrosodi-n-propylamine	mg/Kg	0.026	0.026	U
Hexachloroethane	mg/Kg	0.094	0.094	U
Nitrobenzene	mg/Kg	0.13	0.13	U
Isophorone	mg/Kg	0.090	0.090	U
bis(2-Chloroethoxy)methane	mg/Kg	0.12	0.12	U
1,2,4-Trichlorobenzene	mg/Kg	0.058	0.058	U
Naphthalene	mg/Kg	0.0024	0.0024	U
Hexachlorobutadiene	mg/Kg	0.056	0.056	U
2-Methylnaphthalene	mg/Kg	0.0023	0.0023	U
1-Methylnaphthalene	mg/Kg	0.0023	0.0023	U
Hexachlorocyclopentadiene	mg/Kg	0.055	0.055	U
2-Chloronaphthalene	mg/Kg	0.11	0.11	U
Dimethyl phthalate	mg/Kg	0.10	0.10	U
2,6-Dinitrotoluene (2,6-DNT)	mg/Kg	0.078	0.078	U
Acenaphthylene	mg/Kg	0.0034	0.0034	U
Acenaphthene	mg/Kg	0.0026	0.0026	U
2,4-Dinitrotoluene (2,4-DNT)	mg/Kg	0.076	0.076	U
Diethyl phthalate	mg/Kg	0.12	0.12	U
Fluorene	mg/Kg	0.0029	0.0029	U
4-Chlorophenyl Phenyl Ether	mg/Kg	0.093	0.093	U
1,2-Diphenylhydrazine	mg/Kg	0.14	0.14	U
4-Bromophenyl Phenyl Ether	mg/Kg	0.080	0.080	U

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QUALITY CONTROL DATA

Workorder: J2004667 FIND Offload Site

METHOD BLANK: 3439151

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Hexachlorobenzene	mg/Kg	0.082	0.082	U
Phenanthrene	mg/Kg	0.0030	0.0030	U
Anthracene	mg/Kg	0.0035	0.0035	U
Di-n-Butyl Phthalate	mg/Kg	0.16	0.16	U
Fluoranthene	mg/Kg	0.0038	0.0038	U
Benzidine	mg/Kg	0.035	0.035	U
Pyrene	mg/Kg	0.0041	0.0041	U
Butyl benzyl phthalate	mg/Kg	0.13	0.13	U
Benzo[a]anthracene	mg/Kg	0.0041	0.0041	U
3,3`-Dichlorobenzidine	mg/Kg	0.091	0.091	U
Chrysene	mg/Kg	0.0043	0.0043	U
bis(2-Ethylhexyl) phthalate	mg/Kg	0.13	0.13	U
Di-n-octyl Phthalate	mg/Kg	0.13	0.13	U
Benzo[b]fluoranthene	mg/Kg	0.0042	0.0042	U
Benzo[k]fluoranthene	mg/Kg	0.0040	0.0040	U
Benzo[a]pyrene	mg/Kg	0.0058	0.0058	U
Indeno(1,2,3-cd)pyrene	mg/Kg	0.0038	0.0038	U
Dibenzo[a,h]anthracene	mg/Kg	0.0034	0.0034	U
Benzo[g,h,i]perylene	mg/Kg	0.0047	0.0047	U
N-Nitrosodiphenylamine	mg/Kg	0.087	0.087	U
2-Fluorophenol (S)	%	88	35-115	
Phenol-d6 (S)	%	90	33-122	
Nitrobenzene-d5 (S)	%	84	37-122	
2-Fluorobiphenyl (S)	%	81	44-115	
2,4,6-Tribromophenol (S)	%	87	39-132	
p-Terphenyl-d14 (S)	%	97	54-127	

LABORATORY CONTROL SAMPLE: 3439152

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
SEMIVOLATILES						
N-Nitrosodimethylamine	mg/Kg	1.7	1.4	84		
Phenol	mg/Kg	1.7	1.4	86	34-121	
bis(2-Chloroethyl)Ether	mg/Kg	1.7	1.5	88		
2-Chlorophenol	mg/Kg	1.7	1.4	84		
1,3-Dichlorobenzene	mg/Kg	1.7	1.3	78		
1,4-Dichlorobenzene	mg/Kg	1.7	1.3	75	37-132	
1,2-Dichlorobenzene	mg/Kg	1.7	1.3	78		
bis(2-Chloroisopropyl) Ether	mg/Kg	1.7	1.4	82		
N-Nitrosodi-n-propylamine	mg/Kg	1.7	1.3	80		
Hexachloroethane	mg/Kg	1.7	1.3	79	28-117	

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QUALITY CONTROL DATA

Workorder: J2004667 FIND Offload Site

LABORATORY CONTROL SAMPLE: 3439152

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrobenzene	mg/Kg	1.7	1.3	79	34-122	
Isophorone	mg/Kg	1.7	1.4	82		
2-Nitrophenol	mg/Kg	1.7	1.5	89		
2,4-Dimethylphenol	mg/Kg	1.7	1.5	87		
bis(2-Chloroethoxy)methane	mg/Kg	1.7	1.4	85		
2,4-Dichlorophenol	mg/Kg	1.7	1.4	84	40-122	
1,2,4-Trichlorobenzene	mg/Kg	1.7	1.3	78		
Naphthalene	mg/Kg	1.7	1.2	73		
Hexachlorobutadiene	mg/Kg	1.7	1.4	86	32-123	
4-Chloro-3-methylphenol	mg/Kg	1.7	1.4	84	45-122	
2-Methylnaphthalene	mg/Kg	1.7	1.2	74		
1-Methylnaphthalene	mg/Kg	1.7	1.2	74		
Hexachlorocyclopentadiene	mg/Kg	1.7	1.7	102		
2,4,6-Trichlorophenol	mg/Kg	1.7	1.5	92	39-126	
2-Chloronaphthalene	mg/Kg	1.7	1.4	83		
Dimethyl phthalate	mg/Kg	1.7	1.4	83		
2,6-Dinitrotoluene (2,6-DNT)	mg/Kg	1.7	1.3	81		
Acenaphthylene	mg/Kg	1.7	1.4	84		
Acenaphthene	mg/Kg	1.7	1.3	78	40-123	
2,4-Dinitrophenol	mg/Kg	1.7	1.6	94		
2,4-Dinitrotoluene (2,4-DNT)	mg/Kg	1.7	1.4	81	48-126	
4-Nitrophenol	mg/Kg	1.7	1.3	76		
Diethyl phthalate	mg/Kg	1.7	1.4	82		
Fluorene	mg/Kg	1.7	1.3	76	43-125	
4-Chlorophenyl Phenyl Ether	mg/Kg	1.7	1.4	85		
2-Methyl-4,6-dinitrophenol	mg/Kg	1.7	1.5	88		
N-Nitrosodiphenylamine	mg/Kg	1.7	1.2	75		
1,2-Diphenylhydrazine	mg/Kg	1.7	1.4	83		
4-Bromophenyl Phenyl Ether	mg/Kg	1.7	1.5	92		
Hexachlorobenzene	mg/Kg	1.7	1.5	92	45-122	
Pentachlorophenol	mg/Kg	1.7	1.4	86	25-133	
Phenanthrene	mg/Kg	1.7	1.3	80		
Anthracene	mg/Kg	1.7	1.3	76		
Di-n-Butyl Phthalate	mg/Kg	1.7	1.4	83		
Fluoranthene	mg/Kg	1.7	1.2	70	50-127	
Pyrene	mg/Kg	1.7	1.5	88		
Butyl benzyl phthalate	mg/Kg	1.7	1.5	91		
Benzo[a]anthracene	mg/Kg	1.7	1.5	88		
Chrysene	mg/Kg	1.7	1.4	87		
bis(2-Ethylhexyl) phthalate	mg/Kg	1.7	1.4	86	51-133	

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QUALITY CONTROL DATA

Workorder: J2004667 FIND Offload Site

LABORATORY CONTROL SAMPLE: 3439152

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Di-n-octyl Phthalate	mg/Kg	1.7	1.4	85		
Benzo[b]fluoranthene	mg/Kg	1.7	1.4	82		
Benzo[k]fluoranthene	mg/Kg	1.7	1.3	80		
Benzo[a]pyrene	mg/Kg	1.7	1.5	87	45-129	
Indeno(1,2,3-cd)pyrene	mg/Kg	1.7	1.6	94		
Dibenzo[a,h]anthracene	mg/Kg	1.7	1.5	90		
Benzo[g,h,i]perylene	mg/Kg	1.7	1.5	89		
Benzidine	mg/Kg	1.7	0.87	53		
3,3`-Dichlorobenzidine	mg/Kg	1.7	1.3	80		
2-Fluorophenol (S)	%			86	35-115	
Phenol-d6 (S)	%			89	33-122	
Nitrobenzene-d5 (S)	%			83	37-122	
2-Fluorobiphenyl (S)	%			85	44-115	
2,4,6-Tribromophenol (S)	%			98	39-132	
p-Terphenyl-d14 (S)	%			90	54-127	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3439153 3439154 Original: A2002891001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
SEMIVOLATILES											
N-Nitrosodimethylamine	mg/Kg	0	1.7	1.4	1.4	78	79		0		
Phenol	mg/Kg	0	1.7	1.5	1.5	85	88	34-121	2	20	
bis(2-Chloroethyl)Ether	mg/Kg	0	1.7	1.5	1.5	87	87		1		
2-Chlorophenol	mg/Kg	0	1.7	1.4	1.4	83	83		2		
1,3-Dichlorobenzene	mg/Kg	0	1.7	1.3	1.3	77	77		0		
1,4-Dichlorobenzene	mg/Kg	0	1.7	1.3	1.3	76	76	37-132	1	20	
1,2-Dichlorobenzene	mg/Kg	0	1.7	1.4	1.3	79	78		3		
bis(2-Chloroisopropyl) Ether	mg/Kg	0	1.7	1.5	1.5	84	86		0		
N-Nitrosodi-n-propylamine	mg/Kg	0	1.7	1.4	1.3	79	78		3		
Hexachloroethane	mg/Kg	0	1.7	1.3	1.3	76	75	28-117	3	20	
Nitrobenzene	mg/Kg	0	1.7	1.3	1.3	75	78	34-122	2	20	
Isophorone	mg/Kg	0	1.7	1.4	1.4	80	84		3		
2-Nitrophenol	mg/Kg	0	1.7	1.5	1.5	85	91		5		
2,4-Dimethylphenol	mg/Kg	0	1.7	1.5	1.6	87	93		4		
bis(2-Chloroethoxy)methane	mg/Kg	0	1.7	1.4	1.5	81	85		3		
2,4-Dichlorophenol	mg/Kg	0	1.7	1.5	1.5	86	90	40-122	2	20	
1,2,4-Trichlorobenzene	mg/Kg	0	1.7	1.4	1.4	80	84		3		
Naphthalene	mg/Kg	0	1.7	1.3	1.3	72	74		1		
Hexachlorobutadiene	mg/Kg	0	1.7	1.5	1.5	86	86	32-123	1	20	

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QUALITY CONTROL DATA

Workorder: J2004667 FIND Offload Site

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3439153 3439154 Original: A2002891001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
4-Chloro-3-methylphenol	mg/Kg	0	1.7	1.5	1.5	87	90	45-122	3	20	
2-Methylnaphthalene	mg/Kg	0	1.7	1.2	1.3	72	74		1		
1-Methylnaphthalene	mg/Kg	0	1.7	1.3	1.3	72	74		1		
Hexachlorocyclopentadiene	mg/Kg	0	1.7	1.7	1.7	100	99		2		
2,4,6-Trichlorophenol	mg/Kg	0	1.7	1.6	1.6	93	94	39-126	0	20	
2-Chloronaphthalene	mg/Kg	0	1.7	1.4	1.4	79	81		1		
Dimethyl phthalate	mg/Kg	0	1.7	1.4	1.4	81	84		2		
2,6-Dinitrotoluene (2,6-DNT)	mg/Kg	0	1.7	1.4	1.4	83	85		0		
Acenaphthylene	mg/Kg	0	1.7	1.4	1.4	81	83		0		
Acenaphthene	mg/Kg	0	1.7	1.3	1.3	76	78	40-123	0	20	
2,4-Dinitrophenol	mg/Kg	0	1.7	1.4	1.4	82	84		1		
2,4-Dinitrotoluene (2,4-DNT)	mg/Kg	0	1.7	1.4	1.5	81	85	48-126	4	20	
4-Nitrophenol	mg/Kg	0	1.7	1.3	1.3	77	79		0		
Diethyl phthalate	mg/Kg	0	1.7	1.4	1.4	81	82		0		
Fluorene	mg/Kg	0	1.7	1.3	1.3	77	77	43-125	0	20	
4-Chlorophenyl Phenyl Ether	mg/Kg	0	1.7	1.5	1.5	84	87		2		
2-Methyl-4,6-dinitrophenol	mg/Kg	0	1.7	1.5	1.5	89	90		1		
N-Nitrosodiphenylamine	mg/Kg	0	1.7	1.3	1.4	75	79		4		
1,2-Diphenylhydrazine	mg/Kg	0	1.7	1.4	1.4	81	84		3		
4-Bromophenyl Phenyl Ether	mg/Kg	0	1.7	1.6	1.6	93	93		2		
Hexachlorobenzene	mg/Kg	0	1.7	1.5	1.5	89	90	45-122	1	20	
Pentachlorophenol	mg/Kg	0	1.7	1.6	1.6	93	91	25-133	4	20	
Phenanthrene	mg/Kg	0	1.7	1.4	1.4	81	82		1		
Anthracene	mg/Kg	0	1.7	1.3	1.3	75	76		0		
Di-n-Butyl Phthalate	mg/Kg	0	1.7	1.5	1.5	84	86		1		
Fluoranthene	mg/Kg	0	1.7	1.2	1.2	70	72	50-127	0	20	
Pyrene	mg/Kg	0	1.7	1.5	1.5	88	90		0		
Butyl benzyl phthalate	mg/Kg	0	1.7	1.6	1.7	93	98		3		
Benzo[a]anthracene	mg/Kg	0	1.7	1.5	1.5	87	87		1		
Chrysene	mg/Kg	0	1.7	1.5	1.5	86	86		2		
bis(2-Ethylhexyl) phthalate	mg/Kg	0	1.7	1.6	1.5	90	90	51-133	1	20	
Di-n-octyl Phthalate	mg/Kg	0	1.7	1.5	1.6	89	92		2		
Benzo[b]fluoranthene	mg/Kg	0	1.7	1.4	1.4	83	82		3		
Benzo[k]fluoranthene	mg/Kg	0	1.7	1.4	1.4	82	81		2		
Benzo[a]pyrene	mg/Kg	0	1.7	1.5	1.5	89	88	45-129	2	20	
Indeno(1,2,3-cd)pyrene	mg/Kg	0	1.7	1.6	1.6	94	93		2		
Dibenzo[a,h]anthracene	mg/Kg	0	1.7	1.6	1.6	93	92		2		
Benzo[g,h,i]perylene	mg/Kg	0	1.7	1.5	1.5	89	89		1		
Benzidine	mg/Kg	0	1.7	0.78	0.83	45	48		6		
3,3`-Dichlorobenzidine	mg/Kg	0	1.7	1.5	1.5	85	88		2		
2-Fluorophenol (S)	%	87				85	85	35-115	1		

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QUALITY CONTROL DATA

Workorder: J2004667 FIND Offload Site

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3439153 3439154 Original: A2002891001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Phenol-d6 (S)	%	94				88	90	33-122	0		
Nitrobenzene-d5 (S)	%	81				80	82	37-122	1		
2-Fluorobiphenyl (S)	%	84				85	87	44-115	1		
2,4,6-Tribromophenol (S)	%	95				99	99	39-132	2		
p-Terphenyl-d14 (S)	%	97				92	89	54-127	5		

QC Batch: DGMj/1402 Analysis Method: SW-846 6010
QC Batch Method: SW-846 3050B Prepared: 04/07/2020 13:55
Associated Lab Samples: J2004667001, J2004667002

METHOD BLANK: 3440510

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Silver	mg/Kg	0.20	0.20	U
Arsenic	mg/Kg	0.50	0.50	U
Boron	mg/Kg	1.0	1.0	U
Barium	mg/Kg	0.50	0.50	U
Cadmium	mg/Kg	0.050	0.050	U
Chromium	mg/Kg	0.20	0.20	U
Lead	mg/Kg	0.50	0.50	U
Selenium	mg/Kg	1.0	1.0	U

LABORATORY CONTROL SAMPLE: 3440511

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Silver	mg/Kg	4	3.8	95	80-120	
Arsenic	mg/Kg	10	9.2	92	80-120	
Boron	mg/Kg	20	19	96	80-120	
Barium	mg/Kg	10	9.7	97	80-120	
Cadmium	mg/Kg	1	0.96	97	80-120	
Chromium	mg/Kg	4	3.7	93	80-120	
Lead	mg/Kg	10	9.5	95	80-120	
Selenium	mg/Kg	20	18	92	80-120	

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QUALITY CONTROL DATA

Workorder: J2004667 FIND Offload Site

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3440512 3440513 Original: J2004667001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Silver	mg/Kg	0	3.9	3.9	4.0	91	94	75-125	3	20	
Arsenic	mg/Kg	0	9.7	1.2	0.84I	12	8	75-125	38	20	
Boron	mg/Kg	0.066	19	19	20	88	93	75-125	6	20	
Barium	mg/Kg	2.3	9.7	12	13	89	95	75-125	5	20	
Cadmium	mg/Kg	0	0.97	0.94	1.0	88	94	75-125	7	20	
Chromium	mg/Kg	2	3.9	5.9	6.6	88	103	75-125	11	20	
Lead	mg/Kg	2.3	9.7	12	12	85	89	75-125	5	20	
Selenium	mg/Kg	0.29	19	17	19	82	88	75-125	7	20	

QC Batch: DGMj/1403 Analysis Method: SW-846 7471A

QC Batch Method: SW-846 7471A Prepared: 04/07/2020 15:55

Associated Lab Samples: J2004667001, J2004667002

METHOD BLANK: 3440716

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Mercury	mg/Kg	0.00070	0.00070	U

LABORATORY CONTROL SAMPLE: 3440717

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Mercury	mg/Kg	0.1	0.10	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3440718 3440719 Original: J2004543002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Mercury	mg/Kg	0.0086	0.092	0.12	0.12	98	99	80-120	1	20	

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QUALITY CONTROL DATA

Workorder: J2004667 FIND Offload Site

QC Batch: EXTj/1532 Analysis Method: FL-PRO
QC Batch Method: FL-PRO Prepared: 04/08/2020 10:30
Associated Lab Samples: J2004667001, J2004667002

METHOD BLANK: 3442776

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
TPH	mg/Kg	9.7	9.7	U
o-Terphenyl (S)	%	76	66-136	
Nonatricontane-C39 (S)	%	77	36-132	

LABORATORY CONTROL SAMPLE: 3442777

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
SEMIVOLATILES						
TPH	mg/Kg	34	28	84	49-128	
o-Terphenyl (S)	%			81	66-136	
Nonatricontane-C39 (S)	%			78	36-132	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3442778 3442779 Original: J2004668003

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
SEMIVOLATILES											
TPH	mg/Kg	22	34	45	49	55	66	49-128	8	25	
o-Terphenyl (S)	%	112				81	86	66-136	5	25	
Nonatricontane-C39 (S)	%	130				92	86	36-132	8	25	

QC Batch: EXTj/1539 Analysis Method: SW-846 8082A
QC Batch Method: SW-846 3550B Prepared: 04/09/2020 09:00
Associated Lab Samples: J2004667001, J2004667002

METHOD BLANK: 3444336

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
Aroclor 1016 (PCB-1016)	mg/Kg	0.0062	0.0062	U

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QUALITY CONTROL DATA

Workorder: J2004667 FIND Offload Site

METHOD BLANK: 3444336

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Aroclor 1221 (PCB-1221)	mg/Kg	0.012	0.012	U
Aroclor 1232 (PCB-1232)	mg/Kg	0.029	0.029	U
Aroclor 1242 (PCB-1242)	mg/Kg	0.0079	0.0079	U
Aroclor 1248 (PCB-1248)	mg/Kg	0.021	0.021	U
Aroclor 1254 (PCB-1254)	mg/Kg	0.014	0.014	U
Aroclor 1260 (PCB-1260)	mg/Kg	0.0070	0.0070	U
Tetrachloro-m-xylene (S)	%	122	44-130	
Decachlorobiphenyl (S)	%	125	61-147	

LABORATORY CONTROL SAMPLE: 3444337

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
SEMIVOLATILES						
Aroclor 1016 (PCB-1016)	mg/Kg	0.17	0.16	98	47-134	
Aroclor 1221 (PCB-1221)	mg/Kg		0.012			
Aroclor 1232 (PCB-1232)	mg/Kg		0.029			
Aroclor 1242 (PCB-1242)	mg/Kg		0.0079			
Aroclor 1248 (PCB-1248)	mg/Kg		0.021			
Aroclor 1254 (PCB-1254)	mg/Kg		0.014			
Aroclor 1260 (PCB-1260)	mg/Kg	0.17	0.20	119	53-140	
Tetrachloro-m-xylene (S)	%			106	44-130	
Decachlorobiphenyl (S)	%			118	61-147	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3444338 3444339 Original: J2004667002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
SEMIVOLATILES											
Aroclor 1016 (PCB-1016)	mg/Kg	0	0.17	0.22	0.22	119	117	47-134	1		
Aroclor 1221 (PCB-1221)	mg/Kg			0.013	0.013U				0		
Aroclor 1232 (PCB-1232)	mg/Kg			0.032	0.032U				0		
Aroclor 1242 (PCB-1242)	mg/Kg			0.0087	0.0088U				0		
Aroclor 1248 (PCB-1248)	mg/Kg			0.023	0.024U				0		
Aroclor 1254 (PCB-1254)	mg/Kg			0.015	0.016U				0		
Aroclor 1260 (PCB-1260)	mg/Kg	0	0.17	0.24	0.23	128	125	53-140	1		
Tetrachloro-m-xylene (S)	%	96				95	94	44-130	0		
Decachlorobiphenyl (S)	%	119				117	127	61-147	9		

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QUALITY CONTROL DATA

Workorder: J2004667 FIND Offload Site

QC Batch: MSVj/1555
QC Batch Method: SW-846 5035
Analysis Method: SW-846 8260B
Prepared: 04/07/2020 07:46
Associated Lab Samples: J2004667001, J2004667002

METHOD BLANK: 3444505

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Dichlorodifluoromethane	mg/Kg	0.00084	0.00084	U
Chloromethane	mg/Kg	0.0010	0.0010	U
Vinyl Chloride	mg/Kg	0.0012	0.0012	U
Bromomethane	mg/Kg	0.0013	0.0013	U
Chloroethane	mg/Kg	0.0010	0.0010	U
Trichlorofluoromethane	mg/Kg	0.00091	0.00091	U
Acrolein (Propenal)	mg/Kg	0.0066	0.0066	U
1,1-Dichloroethylene	mg/Kg	0.0012	0.0012	U
Acrylonitrile	mg/Kg	0.0052	0.0052	U
Methylene Chloride	mg/Kg	0.0028	0.0028	U
trans-1,2-Dichloroethylene	mg/Kg	0.00098	0.00098	U
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.0011	0.0011	U
1,1-Dichloroethane	mg/Kg	0.0013	0.0013	U
cis-1,2-Dichloroethylene	mg/Kg	0.0014	0.0014	U
Chloroform	mg/Kg	0.0013	0.0013	U
1,2-Dichloroethane	mg/Kg	0.0014	0.0014	U
1,1,1-Trichloroethane	mg/Kg	0.0014	0.0014	U
Carbon Tetrachloride	mg/Kg	0.0014	0.0014	U
Benzene	mg/Kg	0.0012	0.0012	U
1,2-Dichloropropane	mg/Kg	0.0012	0.0012	U
Trichloroethene	mg/Kg	0.0010	0.0010	U
Bromodichloromethane	mg/Kg	0.0013	0.0013	U
2-Chloroethyl Vinyl Ether	mg/Kg	0.00076	0.00076	U
cis-1,3-Dichloropropene	mg/Kg	0.0011	0.0011	U
trans-1,3-Dichloropropylene	mg/Kg	0.00075	0.00075	U
1,1,2-Trichloroethane	mg/Kg	0.0013	0.0013	U
Toluene	mg/Kg	0.0014	0.0014	U
Dibromochloromethane	mg/Kg	0.0013	0.0013	U
Tetrachloroethylene (PCE)	mg/Kg	0.0012	0.0012	U
Chlorobenzene	mg/Kg	0.0014	0.0014	U
Ethylbenzene	mg/Kg	0.0011	0.0011	U
Bromoform	mg/Kg	0.0019	0.0019	U
1,1,2,2-Tetrachloroethane	mg/Kg	0.0020	0.0020	U
1,3-Dichlorobenzene	mg/Kg	0.0013	0.0013	U
1,4-Dichlorobenzene	mg/Kg	0.0011	0.0011	U
1,2-Dichlorobenzene	mg/Kg	0.0013	0.0013	U

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QUALITY CONTROL DATA

Workorder: J2004667 FIND Offload Site

METHOD BLANK: 3444505

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Xylene (Total)	mg/Kg	0.0038	0.0038	U
1,2-Dichloroethane-d4 (S)	%	98	69-134	
Toluene-d8 (S)	%	93	72-122	
Bromofluorobenzene (S)	%	107	79-126	

LABORATORY CONTROL SAMPLE & LCSD: 3444506 3444507

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
VOLATILES										
Dichlorodifluoromethane	mg/Kg	0.02	0.017	0.013	87	65		29		
Chloromethane	mg/Kg	0.02	0.018	0.015	88	74		18		
Vinyl Chloride	mg/Kg	0.02	0.020	0.014	98	71	70-130	31	20	
Bromomethane	mg/Kg	0.02	0.030	0.024	152	118		25		
Chloroethane	mg/Kg	0.02	0.024	0.018	118	91		26		
Trichlorofluoromethane	mg/Kg	0.02	0.022	0.017	110	85		26		
1,1-Dichloroethylene	mg/Kg	0.02	0.021	0.016	103	79	70-130	27	20	
Methylene Chloride	mg/Kg	0.02	0.021	0.020	106	98		8		
trans-1,2-Dichloroethylene	mg/Kg	0.02	0.021	0.016	103	81		24		
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.02	0.025	0.023	127	117	70-130	8	20	
1,1-Dichloroethane	mg/Kg	0.02	0.021	0.017	104	85		20		
cis-1,2-Dichloroethylene	mg/Kg	0.02	0.021	0.017	104	87	70-130	17	20	
Chloroform	mg/Kg	0.02	0.021	0.017	103	87	70-130	17	20	
1,2-Dichloroethane	mg/Kg	0.02	0.020	0.018	99	89		11		
1,1,1-Trichloroethane	mg/Kg	0.02	0.019	0.015	96	76		23		
Carbon Tetrachloride	mg/Kg	0.02	0.018	0.015	88	73		19		
Benzene	mg/Kg	0.02	0.021	0.018	107	88	70-130	20	20	
1,2-Dichloropropane	mg/Kg	0.02	0.022	0.018	108	90		17		
Trichloroethene	mg/Kg	0.02	0.021	0.016	105	81	70-130	26	20	
Bromodichloromethane	mg/Kg	0.02	0.018	0.016	89	82		9		
cis-1,3-Dichloropropene	mg/Kg	0.02	0.018	0.017	92	84		9		
trans-1,3-Dichloropropylene	mg/Kg	0.02	0.016	0.016	82	80		2		
1,1,2-Trichloroethane	mg/Kg	0.02	0.020	0.018	99	91		9		
Toluene	mg/Kg	0.02	0.020	0.015	98	77	70-130	23	20	
Dibromochloromethane	mg/Kg	0.02	0.016	0.016	81	80		2		
Tetrachloroethylene (PCE)	mg/Kg	0.02	0.020	0.015	102	73	70-130	34	20	
Chlorobenzene	mg/Kg	0.02	0.019	0.017	97	84	70-130	15	20	
Ethylbenzene	mg/Kg	0.02	0.020	0.016	100	79	70-130	24	20	
Bromoform	mg/Kg	0.02	0.014	0.015	70	75		7		
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	0.019	0.017	94	85		10		
1,3-Dichlorobenzene	mg/Kg	0.02	0.020	0.017	101	85	70-130	17	20	

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QUALITY CONTROL DATA

Workorder: J2004667 FIND Offload Site

LABORATORY CONTROL SAMPLE & LCSD: 3444506 3444507

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
1,4-Dichlorobenzene	mg/Kg	0.02	0.020	0.017	99	83		17		
1,2-Dichlorobenzene	mg/Kg	0.02	0.020	0.017	98	87	70-130	12	20	
Xylene (Total)	mg/Kg	0.06	0.060	0.047	99	78	70-130	24	20	
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	0.034	0.034	168	172		2		
Acrolein (Propenal)	mg/Kg	0.1	0.049	0.042	49	42		17		
Acrylonitrile	mg/Kg	0.02	0.020	0.018	98	92		6		
1,2-Dichloroethane-d4 (S)	%				99	97	69-134	2		
Toluene-d8 (S)	%				96	96	72-122	0		
Bromofluorobenzene (S)	%				103	105	79-126	2		

MATRIX SPIKE SAMPLE: 3444508 Original: J2004667001

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
VOLATILES							
Dichlorodifluoromethane	mg/Kg	0	0.038	0.033	77		
Chloromethane	mg/Kg	0	0.038	0.035	82		
Vinyl Chloride	mg/Kg	0	0.038	0.036	86	70-130	
Bromomethane	mg/Kg	0	0.038	0.051	121		
Chloroethane	mg/Kg	0	0.038	0.043	102		
Trichlorofluoromethane	mg/Kg	0	0.038	0.042	100		
1,1-Dichloroethylene	mg/Kg	0	0.038	0.038	91	70-130	
Methylene Chloride	mg/Kg	0	0.038	0.037	88		
trans-1,2-Dichloroethylene	mg/Kg	0	0.038	0.038	90		
Methyl tert-butyl Ether (MTBE)	mg/Kg	0	0.038	0.046	109	70-130	
1,1-Dichloroethane	mg/Kg	0	0.038	0.038	91		
cis-1,2-Dichloroethylene	mg/Kg	0	0.038	0.037	88	70-130	
Chloroform	mg/Kg	0	0.038	0.037	87	70-130	
1,2-Dichloroethane	mg/Kg	0	0.038	0.036	85		
1,1,1-Trichloroethane	mg/Kg	0	0.038	0.035	83		
Carbon Tetrachloride	mg/Kg	0	0.038	0.033	79		
Benzene	mg/Kg	0	0.038	0.039	91	70-130	
1,2-Dichloropropane	mg/Kg	0	0.038	0.038	89		
Trichloroethene	mg/Kg	0	0.038	0.036	86	70-130	
Bromodichloromethane	mg/Kg	0	0.038	0.033	78		
cis-1,3-Dichloropropene	mg/Kg	0	0.038	0.033	77		
trans-1,3-Dichloropropylene	mg/Kg	0	0.038	0.030	72		
1,1,2-Trichloroethane	mg/Kg	0	0.038	0.035	83		
Toluene	mg/Kg	0	0.038	0.033	78	70-130	
Dibromochloromethane	mg/Kg	0	0.038	0.030	71		

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QUALITY CONTROL DATA

Workorder: J2004667 FIND Offload Site

MATRIX SPIKE SAMPLE: 3444508 Original: J2004667001

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Tetrachloroethylene (PCE)	mg/Kg	0	0.038	0.031	72	70-130	
Chlorobenzene	mg/Kg	0	0.038	0.033	78	70-130	
Ethylbenzene	mg/Kg	0	0.038	0.032	77	70-130	
Bromoform	mg/Kg	0	0.038	0.027	64		
1,1,2,2-Tetrachloroethane	mg/Kg	0	0.038	0.032	75		
1,3-Dichlorobenzene	mg/Kg	0	0.038	0.027	64	70-130	
1,4-Dichlorobenzene	mg/Kg	0	0.038	0.027	63		
1,2-Dichlorobenzene	mg/Kg	0	0.038	0.026	62	70-130	
Xylene (Total)	mg/Kg	0	0.12	0.094	74	70-130	
2-Chloroethyl Vinyl Ether	mg/Kg	0	0.038	0.040	96		
Acrolein (Propenal)	mg/Kg	0	0.19	0.018	9		
Acrylonitrile	mg/Kg	0	0.038	0.036	84		
1,2-Dichloroethane-d4 (S)	%	98			99	69-134	
Toluene-d8 (S)	%	94			97	72-122	
Bromofluorobenzene (S)	%	111			105	79-126	

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: J2004667 FIND Offload Site

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
J2004667001	CUT-8	SW-846 3550B	EXTj/1517	SW-846 8270C	MSSj/1215
J2004667002	CUT-7	SW-846 3550B	EXTj/1517	SW-846 8270C	MSSj/1215
J2004667001	CUT-8	SW-846 3050B	DGMj/1402	SW-846 6010	ICPj/1196
J2004667002	CUT-7	SW-846 3050B	DGMj/1402	SW-846 6010	ICPj/1196
J2004667001	CUT-8	SW-846 7471A	DGMj/1403	SW-846 7471A	CVAj/1089
J2004667002	CUT-7	SW-846 7471A	DGMj/1403	SW-846 7471A	CVAj/1089
J2004667001	CUT-8			SM 2540G	WCAj/1880
J2004667002	CUT-7			SM 2540G	WCAj/1880
J2004667001	CUT-8	FL-PRO	EXTj/1532	FL-PRO	GCSj/1350
J2004667002	CUT-7	FL-PRO	EXTj/1532	FL-PRO	GCSj/1350
J2004667001	CUT-8	SW-846 3550B	EXTj/1539	SW-846 8082A	GCSj/1358
J2004667002	CUT-7	SW-846 3550B	EXTj/1539	SW-846 8082A	GCSj/1358
J2004667001	CUT-8	SW-846 5035	MSVj/1555	SW-846 8260B	MSVj/1556
J2004667002	CUT-7	SW-846 5035	MSVj/1555	SW-846 8260B	MSVj/1556

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■ Jacksonville: 6681 Southpoint Pkwy. • Jacksonville, FL 32216 • 90
☐ Miramar: 10200 USA Today Way, Miramar, FL 33025 • 954.889.228
☐ Tallahassee: 1288 Cedar Center Drive, Tallahassee, FL 32301 • 8
☐ Tampa: 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.630.9616 • E84589

* J 2 0 0 4 6 6 7 *

Client Name:	Taylor Engineering
Address:	10199 Southside Blvd, Suite 310
	Jacksonville, FL 32256
Phone:	904-731-7040
FAX:	
Contact:	Bill Aley
Sampled By:	BILL ALEY
Turn Around Time:	☐ STANDARD ☑ RUSH
Page	1 of 1

Project Name:	FIND Offload Site
P.O. Number/Project Number:	C2018-045
Project Location:	DV-3/4
FDEP Facility No:	
Project Name and Address:	
Special Instructions:	Jax Profile: 35369
	☐ ADaPT ☐ EQuIS

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	BOTTLE SIZE & TYPE	ANALYSIS REQUIRED: 8260 PP	8270 PP	8082 PCBs	FL-PRO	6010/7471 8 RCRA Metals+Boron						LABORATORY I.D. NUMBER
CUT-8	DRY SOIL FOR BACKFILL	G	4/3/20	2:05	SO	6			✓	✓	✓	✓	✓						001
CUT-7	DRY SOIL FOR BACKFILL	G	4/3/20	2:30	SO	6			✓	✓	✓	✓	✓						002

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge

Preservation Code: I = ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Received on Ice ☑ Yes ☐ No ☑ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temperature when received 4 (in degrees celcius)

DCN: AD-051 Form last revised 08/18/2014

Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V

	Relinquished by:	Date	Time	Received by:	Date	Time
1		4/3/20	4:11		4.3.2020	1611
2						
3						
4						

FOR DRINKING WATER USE:

(When PWS Information not otherwise supplied) PWS ID:_____

Contact Person:_____ Phone :_____

Supplier of Water:_____

Site-Address:_____

Advanced Environmental Labs Inc

Client: Taylor Engineering Project name: FIND offload site

Date/Time Rcvd: 4-3-2020 16:11 Log-In request number: J2004667

Received by: KE Completed by: BA

Cooler/Shipping Information:

Courier: ☐ AEL ☒ Client ☐ UPS ☐ Blue Streak ☐ FedEx ☐ AES ☐ ASAP ☐ Other (describe): _____

Type: ☒ Cooler ☐ Box ☐ Other (describe) _____

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

Cooler ID					
Temp (°C)	4°C				
Temp taken from	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler
Temp measured with	☑ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):

Other Information:

Any discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact?			✓
2. Were custody papers properly included with samples?	✓		
3. Were custody papers properly filled out (ink, signed, match labels)?	✓		
4. Did all bottles arrive in good condition (unbroken)?	✓		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	✓		
6. Did the sample labels agree with the chain of custody?	✓		
7. Were correct bottles used for the tests indicated?	✓		
8. Were proper sample preservation techniques indicated on the label?	✓		
9. Were samples received within holding times?	✓		
10. Were all VOA vials free of the presence of air bubbles?			✓
11. Have all Soil VOA Vials and Encores been placed in a freezer within 48 hours of collection?	✓		
12. Were samples in direct contact with wet ice? If "No," check one: ☐ NO ICE ☐ BLUE ICE	✓		
13. Was the cooler temperature less than 6°C?	✓		
14. Where pH preservation is required, are sample pHs checked and any anomalies recorded by Sample control? Are all <2 or >10? Note: VOA samples are checked by laboratory analysts.			✓
15. Was sufficient sample volume provided to perform all tests?	✓		
16. If for Bacteriological testing, were containers supplied by AEL? (See QA officer if answer is no)			✓
17. Were all sample containers provided by AEL? (Other than Bacteriological)	✓		
18. Were samples accepted into the laboratory?	✓		
19. When necessary to split samples into other bottles, is it noted in the comments?	✓		

Comments: (Note all sample(s) and container (s)" with a "No" checklist response in this comment section)

DCN: AD-D048
Eff date 2/3/10, Last rev 9/6/16

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Jacksonville, Florida 32216
Office (904) 363-9350
Fax (904) 363-9354

Project No.: J2004667

Client Name: Taylor Engineering

ProjectID: FIND Offload Site

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 8082A

Preparation: SW-846 3550B

IV. Preparation

All samples in batch GCSj:1358 were Florisil cleaned as per EPA method 3620C.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Surrogates: All acceptance criteria were met.

D. Spikes: All acceptance criteria were met.

E. Internal Standard:

F. Samples: Sample analyses proceeded normally.

G. Other:

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Project No.: J2004667

Client Name: Taylor Engineering

ProjectID: FIND Offload Site

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 8260B

Preparation: SW-846 5035

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: The upper control criterion was exceeded for several analytes in thefirst Continuing Calibration Verification (CCV1). The client samples analyzed in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.

B. Blanks: All acceptance criteria were met.

C. Surrogates: All acceptance criteria were met.

D. Spikes: The relative percent difference (RPD) for several analytes between the Laboratory Control Sample (LCS) and the Laboratory Control Sample Duplicate (LCSD) was outside control criteria due to relatively higher spike recovery in 3444506LCS in comparison with 3444507LCSD. Spike recoveries in the LCS and LCSD were within acceptable limits, indicating the analytical batch was in control. No further corrective action was required.

The matrix spike (MS) recoveries of several analytes for J2004667001 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The affected sample is qualified to indicate matrix interference.

E. Internal Standard: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

November 15, 2019

Josh Johnson
Project Manager
Lone Wolf Resources, LLC
3415 Greystone Drive #104
Austin, TX 78731

Re: St. Johns Power Park – FIND Site Offloading
Sediment Sampling Reports. Duval County, Florida
Taylor Contract: C2018-045

Dear Mr. Johnson:

Taylor Engineering is pleased to submit the enclosed sediment chemistry laboratory testing results for sediments being offloaded from Florida Inland Navigation District's (FIND) Dredged Material Management Area (DMMA) DU-3/4 on Black Hammock Island, Duval County, Florida. Taylor Engineering collected one composite sample from the excavation area at DMMA DU-3/4 on February 22, 2019. Analysis results of that sample were provided to Lone Wolf in letter format dated March 7, 2019. No contaminates were detected in the February 2019 sample.

Following removal of the first 50,000 cubic yards of material from DMMA DU-3/4, Taylor Engineering collected an additional sample from DU-3/4 on November 4, 2019. Taylor Engineering representatives conducted one hang auger boring to 12 feet below ground surface near the southwestern corner of the dike (**Attachment A**). From that boring, a composite sample was collected for chemical analyte testing in accordance with DEP-SOP-001/01 FS 4000 (Sediment Sampling) and transported to Advanced Environmental Laboratories (AEL) for laboratory testing. **Attachment B** contains the results provided by AEL. In general, no chemical contaminants were detected. For all results the compounds analyzed were either not detected or the reported value was less than the laboratory method detection limit or below the laboratory practical quantitation limit, indicating that no contaminants were detected.

If you need any additional information or have any questions, please contact me at (904) 731-7040 or baley@taylorengineering.com.

Sincerely,

William Aley, P.G.
Professional Geologist

ATTACHMENT A
Sample Location Map

DU-3/4

November 4, 2019

Legend

Sediment Sample (191104)

Sediment Sample (191104)

Sawpit Rd

Google Earth

©2018 Google

N

600 ft

ATTACHMENT B
AEL Laboratory Results

Advanced Environmental Laboratories, Inc.

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November 14, 2019

Bill Aley
Taylor Engineering
10151 Deerwood Park Blvd.
Bldg. 300, Suite 300
Jacksonville, FL 32256

RE: Workorder: J1914432 St. Johns Power Park Demo

Dear Bill Aley:

Enclosed are the analytical results for sample(s) received by the laboratory on Monday, November 04, 2019. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

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

Sincerely,

Craig Myers - Client Services Manager
CMyers@AELLab.com

Enclosures

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SAMPLE SUMMARY

Workorder: J1914432 St. Johns Power Park Demo

Lab ID	Sample ID	Matrix	Date Collected	Date Received
J1914432001	DU-3_4	Soil	11/4/2019 13:00	11/4/2019 14:00

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ANALYTICAL RESULTS

Workorder: J1914432 St. Johns Power Park Demo

Lab ID: **J1914432001** Date Received: 11/04/19 14:00 Matrix: Soil

Sample ID: **DU-3_4** Date Collected: 11/04/19 13:00

Results for sample J1914432001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Soils	Preparation Method: SW-846 3050B Analytical Method: SW-846 6010							
Arsenic	**0.54**	**U**	**mg/Kg**	**1**	2.1	0.54	11/7/2019 19:19	J
Barium	**9.4**		**mg/Kg**	**1**	0.21	0.054	11/7/2019 19:19	J
Boron	**1.1**	**U**	**mg/Kg**	**1**	4.3	1.1	11/7/2019 19:19	J
Cadmium	**0.054**	**I**	**mg/Kg**	**1**	0.21	0.054	11/7/2019 19:19	J
Chromium	**2.1**		**mg/Kg**	**1**	0.43	0.11	11/7/2019 19:19	J
Lead	**0.21**	**U**	**mg/Kg**	**1**	0.86	0.21	11/13/2019 10:34	J
Selenium	**1.1**	**U**	**mg/Kg**	**1**	4.3	1.1	11/7/2019 19:19	J
Silver	**0.21**	**U**	**mg/Kg**	**1**	0.86	0.21	11/7/2019 19:19	J
Analysis Desc: SW846 7471A Analysis, Soil	Preparation Method: SW-846 7471A Analytical Method: SW-846 7471A							
Mercury	**0.0039**	**I**	**mg/Kg**	**1**	0.0053	0.00073	11/7/2019 14:28	J
SEMIVOLATILES								
Analysis Desc: FL-PRO Analysis, Soil	Preparation Method: FL-PRO Analytical Method: FL-PRO							
TPH	**25**		**mg/Kg**	**1**	19	11	11/13/2019 04:56	J
o-Terphenyl (S)	**97**		**%**	**1**	66-136		11/13/2019 04:56	
Nonatricontane-C39 (S)	**86**		**%**	**1**	36-132		11/13/2019 04:56	
Analysis Desc: 8082A PCB Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8082A							
Aroclor 1016 (PCB-1016)	**0.0072**	**U**	**mg/Kg**	**1**	0.039	0.0072	11/7/2019 23:49	J
Aroclor 1221 (PCB-1221)	**0.014**	**U**	**mg/Kg**	**1**	0.039	0.014	11/7/2019 23:49	J
Aroclor 1232 (PCB-1232)	**0.034**	**U**	**mg/Kg**	**1**	0.039	0.034	11/7/2019 23:49	J
Aroclor 1242 (PCB-1242)	**0.0092**	**U**	**mg/Kg**	**1**	0.039	0.0092	11/7/2019 23:49	J
Aroclor 1248 (PCB-1248)	**0.024**	**U**	**mg/Kg**	**1**	0.039	0.024	11/7/2019 23:49	J
Aroclor 1254 (PCB-1254)	**0.016**	**U**	**mg/Kg**	**1**	0.039	0.016	11/7/2019 23:49	J
Aroclor 1260 (PCB-1260)	**0.0081**	**U**	**mg/Kg**	**1**	0.039	0.0081	11/7/2019 23:49	J
Tetrachloro-m-xylene (S)	**83**		**%**	**1**	44-130		11/7/2019 23:49	
Decachlorobiphenyl (S)	**105**		**%**	**1**	61-147		11/7/2019 23:49	
Analysis Desc: 8270C Analysis, Soil	Preparation Method: SW-846 3550B Analytical Method: SW-846 8270C							
1,2,4-Trichlorobenzene	**0.064**	**U**	**mg/Kg**	**1**	0.18	0.064	11/9/2019 04:44	J

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ANALYTICAL RESULTS

Workorder: J1914432 St. Johns Power Park Demo

Lab ID: **J1914432001** Date Received: 11/04/19 14:00 Matrix: Soil

Sample ID: **DU-3_4** Date Collected: 11/04/19 13:00

Results for sample J1914432001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
1,2-Dichlorobenzene	**0.11**	**U**	**mg/Kg**	**1**	0.18	0.11	11/9/2019 04:44	J
1,2-Diphenylhydrazine	**0.16**	**U**	**mg/Kg**	**1**	0.18	0.16	11/9/2019 04:44	J
1,3-Dichlorobenzene	**0.10**	**U**	**mg/Kg**	**1**	0.18	0.10	11/9/2019 04:44	J
1,4-Dichlorobenzene	**0.10**	**U**	**mg/Kg**	**1**	0.18	0.10	11/9/2019 04:44	J
1-Methylnaphthalene	**0.0025**	**U**	**mg/Kg**	**1**	0.0073	0.0025	11/9/2019 04:44	J
2,4,6-Trichlorophenol	**0.095**	**U**	**mg/Kg**	**1**	0.18	0.095	11/9/2019 04:44	J
2,4-Dichlorophenol	**0.067**	**U**	**mg/Kg**	**1**	0.18	0.067	11/9/2019 04:44	J
2,4-Dimethylphenol	**0.11**	**U**	**mg/Kg**	**1**	0.18	0.11	11/9/2019 04:44	J
2,4-Dinitrophenol	**0.066**	**U**	**mg/Kg**	**1**	0.36	0.066	11/9/2019 04:44	J
2,4-Dinitrotoluene (2,4-DNT)	**0.084**	**U**	**mg/Kg**	**1**	0.18	0.084	11/9/2019 04:44	J
2,6-Dinitrotoluene (2,6-DNT)	**0.086**	**U**	**mg/Kg**	**1**	0.18	0.086	11/9/2019 04:44	J
2-Chloronaphthalene	**0.12**	**U**	**mg/Kg**	**1**	0.18	0.12	11/9/2019 04:44	J
2-Chlorophenol	**0.098**	**U**	**mg/Kg**	**1**	0.18	0.098	11/9/2019 04:44	J
2-Methyl-4,6-dinitrophenol	**0.074**	**U**	**mg/Kg**	**1**	0.36	0.074	11/9/2019 04:44	J
2-Methylnaphthalene	**0.0025**	**U**	**mg/Kg**	**1**	0.0073	0.0025	11/9/2019 04:44	J
2-Nitrophenol	**0.070**	**U**	**mg/Kg**	**1**	0.18	0.070	11/9/2019 04:44	J
3,3`-Dichlorobenzidine	**0.10**	**U**	**mg/Kg**	**1**	0.18	0.10	11/9/2019 04:44	J
4-Bromophenyl Phenyl Ether	**0.088**	**U**	**mg/Kg**	**1**	0.18	0.088	11/9/2019 04:44	J
4-Chloro-3-methylphenol	**0.094**	**U**	**mg/Kg**	**1**	0.18	0.094	11/9/2019 04:44	J
4-Chlorophenyl Phenyl Ether	**0.10**	**U**	**mg/Kg**	**1**	0.18	0.10	11/9/2019 04:44	J
4-Nitrophenol	**0.16**	**U**	**mg/Kg**	**1**	0.18	0.16	11/9/2019 04:44	J
Acenaphthene	**0.0028**	**U**	**mg/Kg**	**1**	0.0073	0.0028	11/9/2019 04:44	J
Acenaphthylene	**0.0037**	**U**	**mg/Kg**	**1**	0.0073	0.0037	11/9/2019 04:44	J
Anthracene	**0.0039**	**U**	**mg/Kg**	**1**	0.0073	0.0039	11/9/2019 04:44	J
Benzidine	**0.039**	**U**	**mg/Kg**	**1**	0.18	0.039	11/9/2019 04:44	J
Benzo[a]anthracene	**0.0045**	**U**	**mg/Kg**	**1**	0.0073	0.0045	11/9/2019 04:44	J
Benzo[a]pyrene	**0.0064**	**U**	**mg/Kg**	**1**	0.0073	0.0064	11/9/2019 04:44	J
Benzo[b]fluoranthene	**0.0046**	**U**	**mg/Kg**	**1**	0.0073	0.0046	11/9/2019 04:44	J
Benzo[g,h,i]perylene	**0.0052**	**U**	**mg/Kg**	**1**	0.0073	0.0052	11/9/2019 04:44	J
Benzo[k]fluoranthene	**0.0044**	**U**	**mg/Kg**	**1**	0.0073	0.0044	11/9/2019 04:44	J
Butyl benzyl phthalate	**0.15**	**U**	**mg/Kg**	**1**	0.18	0.15	11/9/2019 04:44	J
Chrysene	**0.0047**	**U**	**mg/Kg**	**1**	0.0073	0.0047	11/9/2019 04:44	J
Di-n-Butyl Phthalate	**0.17**	**U**	**mg/Kg**	**1**	0.18	0.17	11/9/2019 04:44	J
Di-n-octyl Phthalate	**0.15**	**U**	**mg/Kg**	**1**	0.18	0.15	11/9/2019 04:44	J
Dibenzo[a,h]anthracene	**0.0038**	**U**	**mg/Kg**	**1**	0.18	0.0038	11/9/2019 04:44	J
Diethyl phthalate	**0.13**	**U**	**mg/Kg**	**1**	0.18	0.13	11/9/2019 04:44	J
Dimethyl phthalate	**0.11**	**U**	**mg/Kg**	**1**	0.36	0.11	11/9/2019 04:44	J
Fluoranthene	**0.0041**	**U**	**mg/Kg**	**1**	0.0073	0.0041	11/9/2019 04:44	J
Fluorene	**0.0032**	**U**	**mg/Kg**	**1**	0.0073	0.0032	11/9/2019 04:44	J
Hexachlorobenzene	**0.090**	**U**	**mg/Kg**	**1**	0.18	0.090	11/9/2019 04:44	J

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ANALYTICAL RESULTS

Workorder: J1914432 St. Johns Power Park Demo

Lab ID: **J1914432001** Date Received: 11/04/19 14:00 Matrix: Soil

Sample ID: **DU-3_4** Date Collected: 11/04/19 13:00

Results for sample J1914432001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Hexachlorobutadiene	**0.061**	**U**	**mg/Kg**	**1**	0.18	0.061	11/9/2019 04:44	J
Hexachlorocyclopentadiene	**0.061**	**U**	**mg/Kg**	**1**	0.18	0.061	11/9/2019 04:44	J
Hexachloroethane	**0.10**	**U**	**mg/Kg**	**1**	0.18	0.10	11/9/2019 04:44	J
Indeno(1,2,3-cd)pyrene	**0.0041**	**U**	**mg/Kg**	**1**	0.0073	0.0041	11/9/2019 04:44	J
Isophorone	**0.099**	**U**	**mg/Kg**	**1**	0.18	0.099	11/9/2019 04:44	J
N-Nitrosodi-n-propylamine	**0.029**	**U**	**mg/Kg**	**1**	0.18	0.029	11/9/2019 04:44	J
N-Nitrosodimethylamine	**0.13**	**U**	**mg/Kg**	**1**	0.18	0.13	11/9/2019 04:44	J
N-Nitrosodiphenylamine	**0.096**	**U**	**mg/Kg**	**1**	0.18	0.096	11/9/2019 04:44	J
Naphthalene	**0.0026**	**U**	**mg/Kg**	**1**	0.0073	0.0026	11/9/2019 04:44	J
Nitrobenzene	**0.15**	**U**	**mg/Kg**	**1**	0.18	0.15	11/9/2019 04:44	J
Pentachlorophenol	**0.063**	**U**	**mg/Kg**	**1**	0.18	0.063	11/9/2019 04:44	J
Phenanthrene	**0.0034**	**U**	**mg/Kg**	**1**	0.0073	0.0034	11/9/2019 04:44	J
Phenol	**0.13**	**U**	**mg/Kg**	**1**	0.18	0.13	11/9/2019 04:44	J
Pyrene	**0.0045**	**U**	**mg/Kg**	**1**	0.0073	0.0045	11/9/2019 04:44	J
bis(2-Chloroethoxy)methane	**0.13**	**U**	**mg/Kg**	**1**	0.18	0.13	11/9/2019 04:44	J
bis(2-Chloroethyl)Ether	**0.11**	**U**	**mg/Kg**	**1**	0.18	0.11	11/9/2019 04:44	J
bis(2-Chloroisopropyl) Ether	**0.11**	**U**	**mg/Kg**	**1**	0.18	0.11	11/9/2019 04:44	J
bis(2-Ethylhexyl) phthalate	**0.15**	**U**	**mg/Kg**	**1**	0.18	0.15	11/9/2019 04:44	J
2-Fluorophenol (S)	**94**		**%**	**1**	35-115		11/9/2019 04:44	
Phenol-d6 (S)	**100**		**%**	**1**	33-122		11/9/2019 04:44	
Nitrobenzene-d5 (S)	**111**		**%**	**1**	37-122		11/9/2019 04:44	
2-Fluorobiphenyl (S)	**101**		**%**	**1**	44-115		11/9/2019 04:44	
2,4,6-Tribromophenol (S)	**96**		**%**	**1**	39-132		11/9/2019 04:44	
p-Terphenyl-d14 (S)	**94**		**%**	**1**	54-127		11/9/2019 04:44	

VOLATILES

Analysis Desc: 8260B VOCs Analysis, Soil	Preparation Method: SW-846 5035 Analytical Method: SW-846 8260B							
1,1,1-Trichloroethane	**0.0016**	**U**	**mg/Kg**	**1**	0.0034	0.0016	11/5/2019 12:36	J
1,1,2,2-Tetrachloroethane	**0.0022**	**U**	**mg/Kg**	**1**	0.0034	0.0022	11/5/2019 12:36	J
1,1,2-Trichloroethane	**0.0015**	**U**	**mg/Kg**	**1**	0.0034	0.0015	11/5/2019 12:36	J
1,1-Dichloroethane	**0.0014**	**U**	**mg/Kg**	**1**	0.0034	0.0014	11/5/2019 12:36	J
1,1-Dichloroethylene	**0.0014**	**U**	**mg/Kg**	**1**	0.0034	0.0014	11/5/2019 12:36	J
1,2-Dichlorobenzene	**0.0015**	**U**	**mg/Kg**	**1**	0.0034	0.0015	11/5/2019 12:36	J
1,2-Dichloroethane	**0.0016**	**U**	**mg/Kg**	**1**	0.0034	0.0016	11/5/2019 12:36	J
1,2-Dichloropropane	**0.0014**	**U**	**mg/Kg**	**1**	0.0034	0.0014	11/5/2019 12:36	J
1,3-Dichlorobenzene	**0.0014**	**U**	**mg/Kg**	**1**	0.0034	0.0014	11/5/2019 12:36	J
1,4-Dichlorobenzene	**0.0013**	**U**	**mg/Kg**	**1**	0.0034	0.0013	11/5/2019 12:36	J
2-Chloroethyl Vinyl Ether	**0.00086**	**U**	**mg/Kg**	**1**	0.0056	0.00086	11/5/2019 12:36	J

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ANALYTICAL RESULTS

Workorder: J1914432 St. Johns Power Park Demo

Lab ID: **J1914432001** Date Received: 11/04/19 14:00 Matrix: Soil

Sample ID: **DU-3_4** Date Collected: 11/04/19 13:00

Results for sample J1914432001 are reported on a dry weight basis.

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Acrolein (Propenal)	**0.0074**	**U**	**mg/Kg**	**1**	0.017	0.0074	11/5/2019 12:36	J
Acrylonitrile	**0.0058**	**U**	**mg/Kg**	**1**	0.017	0.0058	11/5/2019 12:36	J
Benzene	**0.0014**	**U**	**mg/Kg**	**1**	0.0034	0.0014	11/5/2019 12:36	J
Bromodichloromethane	**0.0015**	**U**	**mg/Kg**	**1**	0.0034	0.0015	11/5/2019 12:36	J
Bromoform	**0.0022**	**U**	**mg/Kg**	**1**	0.0056	0.0022	11/5/2019 12:36	J
Bromomethane	**0.0015**	**U**	**mg/Kg**	**1**	0.0034	0.0015	11/5/2019 12:36	J
Carbon Tetrachloride	**0.0016**	**U**	**mg/Kg**	**1**	0.0034	0.0016	11/5/2019 12:36	J
Chlorobenzene	**0.0016**	**U**	**mg/Kg**	**1**	0.0034	0.0016	11/5/2019 12:36	J
Chloroethane	**0.0011**	**U**	**mg/Kg**	**1**	0.0034	0.0011	11/5/2019 12:36	J
Chloroform	**0.0015**	**U**	**mg/Kg**	**1**	0.0034	0.0015	11/5/2019 12:36	J
Chloromethane	**0.0011**	**U**	**mg/Kg**	**1**	0.0034	0.0011	11/5/2019 12:36	J
Dibromochloromethane	**0.0015**	**U**	**mg/Kg**	**1**	0.0034	0.0015	11/5/2019 12:36	J
Dichlorodifluoromethane	**0.00095**	**U**	**mg/Kg**	**1**	0.0034	0.00095	11/8/2019 15:54	J
Ethylbenzene	**0.0012**	**U**	**mg/Kg**	**1**	0.0034	0.0012	11/5/2019 12:36	J
Methyl tert-butyl Ether (MTBE)	**0.0013**	**U**	**mg/Kg**	**1**	0.0034	0.0013	11/5/2019 12:36	J
Methylene Chloride	**0.0040**	**I**	**mg/Kg**	**1**	0.011	0.0032	11/5/2019 12:36	J
Tetrachloroethylene (PCE)	**0.0014**	**U**	**mg/Kg**	**1**	0.0034	0.0014	11/5/2019 12:36	J
Toluene	**0.0016**	**U**	**mg/Kg**	**1**	0.0034	0.0016	11/5/2019 12:36	J
Trichloroethene	**0.0011**	**U**	**mg/Kg**	**1**	0.0034	0.0011	11/5/2019 12:36	J
Trichlorofluoromethane	**0.0010**	**U**	**mg/Kg**	**1**	0.0034	0.0010	11/5/2019 12:36	J
Vinyl Chloride	**0.0014**	**U**	**mg/Kg**	**1**	0.0034	0.0014	11/5/2019 12:36	J
Xylene (Total)	**0.0043**	**U**	**mg/Kg**	**1**	0.010	0.0043	11/5/2019 12:36	J
cis-1,2-Dichloroethylene	**0.0018**	**I**	**mg/Kg**	**1**	0.0034	0.0016	11/5/2019 12:36	J
cis-1,3-Dichloropropene	**0.0012**	**U**	**mg/Kg**	**1**	0.0034	0.0012	11/5/2019 12:36	J
trans-1,2-Dichloroethylene	**0.0011**	**U**	**mg/Kg**	**1**	0.0034	0.0011	11/5/2019 12:36	J
trans-1,3-Dichloropropylene	**0.00084**	**U**	**mg/Kg**	**1**	0.0034	0.00084	11/5/2019 12:36	J
1,2-Dichloroethane-d4 (S)	**108**		**%**	**1**	69-134		11/5/2019 12:36	
Toluene-d8 (S)	**109**		**%**	**1**	72-122		11/5/2019 12:36	
Bromofluorobenzene (S)	**114**		**%**	**1**	79-126		11/5/2019 12:36	

VOLATILES

Analysis Desc: Percent Solids,SM2540G,Soil	Analytical Method: SM 2540G						
Percent Moisture	**8.1**	**%**	**1**	0.0010	0.0010	11/7/2019 16:30	J

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ANALYTICAL RESULTS QUALIFIERS

Workorder: J1914432 St. Johns Power Park Demo

PARAMETER QUALIFIERS

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

LAB QUALIFIERS

J	DOH Certification #E82574(AEL-JAX)(FL NELAC Certification)

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QUALITY CONTROL DATA

Workorder: J1914432 St. Johns Power Park Demo

QC Batch: EXTj/4330 Analysis Method: SW-846 8082A

QC Batch Method: SW-846 3550B Prepared: 11/05/2019 09:00

Associated Lab Samples: J1914432001

METHOD BLANK: 3278374

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
Aroclor 1016 (PCB-1016)	mg/Kg	0.0061	0.0061	U
Aroclor 1221 (PCB-1221)	mg/Kg	0.012	0.012	U
Aroclor 1232 (PCB-1232)	mg/Kg	0.029	0.029	U
Aroclor 1242 (PCB-1242)	mg/Kg	0.0078	0.0078	U
Aroclor 1248 (PCB-1248)	mg/Kg	0.021	0.021	U
Aroclor 1254 (PCB-1254)	mg/Kg	0.014	0.014	U
Aroclor 1260 (PCB-1260)	mg/Kg	0.0070	0.0070	U
Tetrachloro-m-xylene (S)	%	104	44-130	
Decachlorobiphenyl (S)	%	117	61-147	

LABORATORY CONTROL SAMPLE: 3278375

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
SEMIVOLATILES						
Aroclor 1016 (PCB-1016)	mg/Kg	0.17	0.16	96	47-134	
Aroclor 1221 (PCB-1221)	mg/Kg		0.012			
Aroclor 1232 (PCB-1232)	mg/Kg		0.029			
Aroclor 1242 (PCB-1242)	mg/Kg		0.0079			
Aroclor 1248 (PCB-1248)	mg/Kg		0.021			
Aroclor 1254 (PCB-1254)	mg/Kg		0.014			
Aroclor 1260 (PCB-1260)	mg/Kg	0.17	0.20	119	53-140	
Tetrachloro-m-xylene (S)	%			91	44-130	
Decachlorobiphenyl (S)	%			105	61-147	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3278376 3278377 Original: J1914432001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
SEMIVOLATILES											
Aroclor 1016 (PCB-1016)	mg/Kg	0	0.17	0.19	0.17	102	89	47-134	11	30	
Aroclor 1221 (PCB-1221)	mg/Kg			0.013	0.014U				0	30	
Aroclor 1232 (PCB-1232)	mg/Kg			0.032	0.033U				0	30	
Aroclor 1242 (PCB-1242)	mg/Kg			0.0087	0.0089U				0	30	

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QUALITY CONTROL DATA

Workorder: J1914432 St. Johns Power Park Demo

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3278376 3278377 Original: J1914432001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Aroclor 1248 (PCB-1248)	mg/Kg			0.023	0.024U				0	30	
Aroclor 1254 (PCB-1254)	mg/Kg			0.015	0.016U				0	30	
Aroclor 1260 (PCB-1260)	mg/Kg	0	0.17	0.22	0.22	118	116	53-140	0	30	
Tetrachloro-m-xylene (S)	%	83				86	79	44-130	6		
Decachlorobiphenyl (S)	%	105				106	104	61-147	0		

QC Batch: MSVj/4552 Analysis Method: SW-846 8260B

QC Batch Method: SW-846 5035 Prepared: 11/05/2019 09:18

Associated Lab Samples: J1914432001

METHOD BLANK: 3278634

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
VOLATILES				
Dichlorodifluoromethane	mg/Kg	0.00084	0.00084	U
Chloromethane	mg/Kg	0.0010	0.0010	U
Vinyl Chloride	mg/Kg	0.0012	0.0012	U
Bromomethane	mg/Kg	0.0013	0.0013	U
Chloroethane	mg/Kg	0.0010	0.0010	U
Trichlorofluoromethane	mg/Kg	0.00091	0.00091	U
Acrolein (Propenal)	mg/Kg	0.0066	0.0066	U
1,1-Dichloroethylene	mg/Kg	0.0012	0.0012	U
Acrylonitrile	mg/Kg	0.0052	0.0052	U
Methylene Chloride	mg/Kg	0.0028	0.0028	U
trans-1,2-Dichloroethylene	mg/Kg	0.00098	0.00098	U
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.0011	0.0011	U
1,1-Dichloroethane	mg/Kg	0.0013	0.0013	U
cis-1,2-Dichloroethylene	mg/Kg	0.0014	0.0014	U
Chloroform	mg/Kg	0.0013	0.0013	U
1,2-Dichloroethane	mg/Kg	0.0014	0.0014	U
1,1,1-Trichloroethane	mg/Kg	0.0014	0.0014	U
Carbon Tetrachloride	mg/Kg	0.0014	0.0014	U
Benzene	mg/Kg	0.0012	0.0012	U
1,2-Dichloropropane	mg/Kg	0.0012	0.0012	U
Trichloroethene	mg/Kg	0.0010	0.0010	U
Bromodichloromethane	mg/Kg	0.0013	0.0013	U
2-Chloroethyl Vinyl Ether	mg/Kg	0.00076	0.00076	U
cis-1,3-Dichloropropene	mg/Kg	0.0011	0.0011	U
trans-1,3-Dichloropropylene	mg/Kg	0.00075	0.00075	U
1,1,2-Trichloroethane	mg/Kg	0.0013	0.0013	U

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QUALITY CONTROL DATA

Workorder: J1914432 St. Johns Power Park Demo

METHOD BLANK: 3278634

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Toluene	mg/Kg	0.0014	0.0014	U
Dibromochloromethane	mg/Kg	0.0013	0.0013	U
Tetrachloroethylene (PCE)	mg/Kg	0.0012	0.0012	U
Chlorobenzene	mg/Kg	0.0014	0.0014	U
Ethylbenzene	mg/Kg	0.0011	0.0011	U
Bromoform	mg/Kg	0.0019	0.0019	U
1,1,2,2-Tetrachloroethane	mg/Kg	0.0020	0.0020	U
1,3-Dichlorobenzene	mg/Kg	0.0013	0.0013	U
1,4-Dichlorobenzene	mg/Kg	0.0011	0.0011	U
1,2-Dichlorobenzene	mg/Kg	0.0013	0.0013	U
Xylene (Total)	mg/Kg	0.0038	0.0038	U
1,2-Dichloroethane-d4 (S)	%	109	69-134	
Toluene-d8 (S)	%	108	72-122	
Bromofluorobenzene (S)	%	114	79-126	

LABORATORY CONTROL SAMPLE & LCSD: 3278635 3278636

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
VOLATILES										
Dichlorodifluoromethane	mg/Kg	0.02	0.010	0.0087	51	44		16		
Chloromethane	mg/Kg	0.02	0.020	0.017	98	87		12		
Vinyl Chloride	mg/Kg	0.02	0.023	0.020	117	99	70-130	17	20	
Bromomethane	mg/Kg	0.02	0.034	0.032	168	158		6		
Chloroethane	mg/Kg	0.02	0.022	0.018	108	92		17		
Trichlorofluoromethane	mg/Kg	0.02	0.018	0.015	89	76		16		
1,1-Dichloroethylene	mg/Kg	0.02	0.020	0.016	98	82	70-130	17	20	
Methylene Chloride	mg/Kg	0.02	0.016	0.014	78	68		14		
trans-1,2-Dichloroethylene	mg/Kg	0.02	0.019	0.016	97	83		16		
Methyl tert-butyl Ether (MTBE)	mg/Kg	0.02	0.018	0.016	92	79	70-130	16	20	
1,1-Dichloroethane	mg/Kg	0.02	0.019	0.016	94	81		15		
cis-1,2-Dichloroethylene	mg/Kg	0.02	0.019	0.016	94	79	70-130	17	20	
Chloroform	mg/Kg	0.02	0.019	0.016	96	82	70-130	16	20	
1,2-Dichloroethane	mg/Kg	0.02	0.019	0.016	94	79		18		
1,1,1-Trichloroethane	mg/Kg	0.02	0.020	0.017	101	85		17		
Carbon Tetrachloride	mg/Kg	0.02	0.018	0.015	88	77		13		
Benzene	mg/Kg	0.02	0.019	0.016	97	82	70-130	17	20	
1,2-Dichloropropane	mg/Kg	0.02	0.019	0.016	96	82		15		
Trichloroethene	mg/Kg	0.02	0.019	0.017	97	84	70-130	14	20	
Bromodichloromethane	mg/Kg	0.02	0.018	0.016	92	78		17		
cis-1,3-Dichloropropene	mg/Kg	0.02	0.018	0.016	92	78		17		

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QUALITY CONTROL DATA

Workorder: J1914432 St. Johns Power Park Demo

LABORATORY CONTROL SAMPLE & LCSD: 3278635 3278636

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
trans-1,3-Dichloropropylene	mg/Kg	0.02	0.018	0.015	90	77		16		
1,1,2-Trichloroethane	mg/Kg	0.02	0.019	0.016	97	82		16		
Toluene	mg/Kg	0.02	0.022	0.019	108	93	70-130	15	20	
Dibromochloromethane	mg/Kg	0.02	0.020	0.017	99	86		15		
Tetrachloroethylene (PCE)	mg/Kg	0.02	0.021	0.018	106	91	70-130	15	20	
Chlorobenzene	mg/Kg	0.02	0.020	0.018	102	91	70-130	12	20	
Ethylbenzene	mg/Kg	0.02	0.022	0.019	112	96	70-130	15	20	
Bromoform	mg/Kg	0.02	0.019	0.016	97	82		16		
1,1,2,2-Tetrachloroethane	mg/Kg	0.02	0.021	0.018	107	89		18		
1,3-Dichlorobenzene	mg/Kg	0.02	0.023	0.020	116	99	70-130	16	20	
1,4-Dichlorobenzene	mg/Kg	0.02	0.023	0.020	113	99		14		
1,2-Dichlorobenzene	mg/Kg	0.02	0.022	0.019	111	96	70-130	14	20	
Xylene (Total)	mg/Kg	0.06	0.066	0.057	110	95	70-130	15	20	
2-Chloroethyl Vinyl Ether	mg/Kg	0.02	0.026	0.022	131	111		16		
Acrolein (Propenal)	mg/Kg	0.1	0.15	0.13	153	125		20		
Acrylonitrile	mg/Kg	0.02	0.020	0.016	99	80		21		
1,2-Dichloroethane-d4 (S)	%				104	102	69-134	1		
Toluene-d8 (S)	%				110	111	72-122	1		
Bromofluorobenzene (S)	%				109	110	79-126	1		

MATRIX SPIKE SAMPLE: 3278637 Original: J1914400001

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
VOLATILES							
Dichlorodifluoromethane	mg/Kg			0.0094			
Chloromethane	mg/Kg			0.017			
Vinyl Chloride	mg/Kg			0.019			
Bromomethane	mg/Kg			0.027			
Chloroethane	mg/Kg			0.017			
Trichlorofluoromethane	mg/Kg			0.014			
1,1-Dichloroethylene	mg/Kg			0.017			
Methylene Chloride	mg/Kg			0.016			
trans-1,2-Dichloroethylene	mg/Kg			0.017			
Methyl tert-butyl Ether (MTBE)	mg/Kg	0	0.02	0.017	68	70-130	
1,1-Dichloroethane	mg/Kg			0.017			
cis-1,2-Dichloroethylene	mg/Kg			0.016			
Chloroform	mg/Kg			0.017			
1,2-Dichloroethane	mg/Kg			0.016			
1,1,1-Trichloroethane	mg/Kg			0.017			

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QUALITY CONTROL DATA

Workorder: J1914432 St. Johns Power Park Demo

MATRIX SPIKE SAMPLE: 3278637 Original: J1914400001

Parameter	Units	Original Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Carbon Tetrachloride	mg/Kg			0.014			
Benzene	mg/Kg	0	0.02	0.017	70	70-130	
1,2-Dichloropropane	mg/Kg			0.017			
Trichloroethene	mg/Kg			0.016			
Bromodichloromethane	mg/Kg			0.015			
cis-1,3-Dichloropropene	mg/Kg			0.014			
trans-1,3-Dichloropropylene	mg/Kg			0.014			
1,1,2-Trichloroethane	mg/Kg			0.016			
Toluene	mg/Kg	0	0.02	0.019	75	70-130	
Dibromochloromethane	mg/Kg			0.016			
Tetrachloroethylene (PCE)	mg/Kg			0.016			
Chlorobenzene	mg/Kg			0.016			
Ethylbenzene	mg/Kg	0	0.02	0.018	73	70-130	
Bromoform	mg/Kg			0.014			
1,1,2,2-Tetrachloroethane	mg/Kg			0.016			
1,3-Dichlorobenzene	mg/Kg			0.014			
1,4-Dichlorobenzene	mg/Kg			0.013			
1,2-Dichlorobenzene	mg/Kg			0.013			
Xylene (Total)	mg/Kg	0	0.06	0.052	70	70-130	
2-Chloroethyl Vinyl Ether	mg/Kg			0.28			
Acrolein (Propenal)	mg/Kg			0.018			
Acrylonitrile	mg/Kg			0.016			
1,2-Dichloroethane-d4 (S)	%	107			95	69-134	
Toluene-d8 (S)	%	109			111	72-122	
Bromofluorobenzene (S)	%	118			111	79-126	

QC Batch: DGMj/4230 Analysis Method: SW-846 6010

QC Batch Method: SW-846 3050B Prepared: 11/06/2019 11:20

Associated Lab Samples: J1914432001

METHOD BLANK: 3280140

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Silver	mg/Kg	0.20	0.20	U
Arsenic	mg/Kg	0.50	0.50	U
Boron	mg/Kg	1.0	1.0	U
Barium	mg/Kg	0.050	0.050	U
Cadmium	mg/Kg	0.050	0.050	U
Chromium	mg/Kg	0.10	0.10	U
Lead	mg/Kg	0.20	0.20	U

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QUALITY CONTROL DATA

Workorder: J1914432 St. Johns Power Park Demo

METHOD BLANK: 3280140

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Selenium	mg/Kg	1.0	1.0	U

LABORATORY CONTROL SAMPLE: 3280141

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Silver	mg/Kg	4	3.5	89	80-120	
Arsenic	mg/Kg	10	8.8	88	80-120	
Boron	mg/Kg	20	18	91	80-120	
Barium	mg/Kg	1	1.0	100	80-120	
Cadmium	mg/Kg	1	1.0	102	80-120	
Chromium	mg/Kg	2	1.8	90	80-120	
Lead	mg/Kg	4	3.6	91	80-120	
Selenium	mg/Kg	20	19	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3280142 3280143 Original: J1914431019

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Silver	mg/Kg	9.3	3.9	12	12	60	63	75-125	1	20	
Arsenic	mg/Kg	0.27	9.8	9.0	8.2	91	82	75-125	10	20	
Boron	mg/Kg	2.2	20	21	20	96	88	75-125	7	20	
Barium	mg/Kg	1.7	0.98	2.8	2.6	110	87	75-125	8	20	
Cadmium	mg/Kg	0.0099	0.98	1.0	0.97	104	97	75-125	6	20	
Chromium	mg/Kg	1.6	2	3.5	3.2	94	80	75-125	8	20	
Lead	mg/Kg	5.6	3.9	10	9.3	114	90	75-125	10	20	
Selenium	mg/Kg	0	20	19	18	95	88	75-125	7	20	

QC Batch: DGMj/4238
Analysis Method: SW-846 7471A
QC Batch Method: SW-846 7471A
Prepared: 11/07/2019 12:10
Associated Lab Samples: J1914432001

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QUALITY CONTROL DATA

Workorder: J1914432 St. Johns Power Park Demo

METHOD BLANK: 3282074

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Mercury	mg/Kg	0.00070	0.00070	U

LABORATORY CONTROL SAMPLE: 3282075

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Mercury	mg/Kg	0.1	0.10	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3282076 3282077 Original: M1905466011

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Mercury	mg/Kg	0.034	0.098	0.14	0.14	90	92	80-120	0	20	

QC Batch: EXTj/4354 Analysis Method: SW-846 8270C
QC Batch Method: SW-846 3550B Prepared: 11/07/2019 14:00
Associated Lab Samples: J1914432001

METHOD BLANK: 3284653

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
Phenol	mg/Kg	0.11	0.11	U
2-Chlorophenol	mg/Kg	0.090	0.090	U
2-Nitrophenol	mg/Kg	0.064	0.064	U
2,4-Dimethylphenol	mg/Kg	0.098	0.098	U
2,4-Dichlorophenol	mg/Kg	0.062	0.062	U
4-Chloro-3-methylphenol	mg/Kg	0.086	0.086	U
2,4,6-Trichlorophenol	mg/Kg	0.087	0.087	U
2,4-Dinitrophenol	mg/Kg	0.061	0.061	U
4-Nitrophenol	mg/Kg	0.14	0.14	U
2-Methyl-4,6-dinitrophenol	mg/Kg	0.067	0.067	U
Pentachlorophenol	mg/Kg	0.058	0.058	U

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QUALITY CONTROL DATA

Workorder: J1914432 St. Johns Power Park Demo

METHOD BLANK: 3284653

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
N-Nitrosodimethylamine	mg/Kg	0.12	0.12	U
bis(2-Chloroethyl)Ether	mg/Kg	0.099	0.099	U
1,3-Dichlorobenzene	mg/Kg	0.095	0.095	U
1,4-Dichlorobenzene	mg/Kg	0.093	0.093	U
1,2-Dichlorobenzene	mg/Kg	0.098	0.098	U
bis(2-Chloroisopropyl) Ether	mg/Kg	0.10	0.10	U
N-Nitrosodi-n-propylamine	mg/Kg	0.026	0.026	U
Hexachloroethane	mg/Kg	0.095	0.095	U
Nitrobenzene	mg/Kg	0.13	0.13	U
Isophorone	mg/Kg	0.090	0.090	U
bis(2-Chloroethoxy)methane	mg/Kg	0.12	0.12	U
1,2,4-Trichlorobenzene	mg/Kg	0.058	0.058	U
Naphthalene	mg/Kg	0.0024	0.0024	U
Hexachlorobutadiene	mg/Kg	0.056	0.056	U
2-Methylnaphthalene	mg/Kg	0.0023	0.0023	U
1-Methylnaphthalene	mg/Kg	0.0023	0.0023	U
Hexachlorocyclopentadiene	mg/Kg	0.055	0.055	U
2-Chloronaphthalene	mg/Kg	0.11	0.11	U
Dimethyl phthalate	mg/Kg	0.10	0.10	U
2,6-Dinitrotoluene (2,6-DNT)	mg/Kg	0.078	0.078	U
Acenaphthylene	mg/Kg	0.0034	0.0034	U
Acenaphthene	mg/Kg	0.0026	0.0026	U
2,4-Dinitrotoluene (2,4-DNT)	mg/Kg	0.077	0.077	U
Diethyl phthalate	mg/Kg	0.12	0.12	U
Fluorene	mg/Kg	0.0029	0.0029	U
4-Chlorophenyl Phenyl Ether	mg/Kg	0.093	0.093	U
1,2-Diphenylhydrazine	mg/Kg	0.14	0.14	U
4-Bromophenyl Phenyl Ether	mg/Kg	0.080	0.080	U
Hexachlorobenzene	mg/Kg	0.082	0.082	U
Phenanthrene	mg/Kg	0.0031	0.0031	U
Anthracene	mg/Kg	0.0035	0.0035	U
Di-n-Butyl Phthalate	mg/Kg	0.16	0.16	U
Fluoranthene	mg/Kg	0.0038	0.0038	U
Benzidine	mg/Kg	0.035	0.035	U
Pyrene	mg/Kg	0.0041	0.0041	U
Butyl benzyl phthalate	mg/Kg	0.14	0.14	U
Benzo[a]anthracene	mg/Kg	0.0041	0.0041	U
3,3`-Dichlorobenzidine	mg/Kg	0.091	0.091	U
Chrysene	mg/Kg	0.0043	0.0043	U
bis(2-Ethylhexyl) phthalate	mg/Kg	0.13	0.13	U
Di-n-octyl Phthalate	mg/Kg	0.13	0.13	U
Benzo[b]fluoranthene	mg/Kg	0.0042	0.0042	U
Benzo[k]fluoranthene	mg/Kg	0.0040	0.0040	U
Benzo[a]pyrene	mg/Kg	0.0058	0.0058	U
Indeno(1,2,3-cd)pyrene	mg/Kg	0.0038	0.0038	U

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QUALITY CONTROL DATA

Workorder: J1914432 St. Johns Power Park Demo

METHOD BLANK: 3284653

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Dibenzo[a,h]anthracene	mg/Kg	0.0034	0.0034	U
Benzo[g,h,i]perylene	mg/Kg	0.0047	0.0047	U
N-Nitrosodiphenylamine	mg/Kg	0.088	0.088	U
2-Fluorophenol (S)	%	97	35-115	
Phenol-d6 (S)	%	101	33-122	
Nitrobenzene-d5 (S)	%	106	37-122	
2-Fluorobiphenyl (S)	%	87	44-115	
2,4,6-Tribromophenol (S)	%	69	39-132	
p-Terphenyl-d14 (S)	%	99	54-127	

LABORATORY CONTROL SAMPLE: 3284654

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
SEMIVOLATILES						
N-Nitrosodimethylamine	mg/Kg	1.7	1.8	108		
Phenol	mg/Kg	1.7	1.6	95	34-121	
bis(2-Chloroethyl)Ether	mg/Kg	1.7	1.7	102		
2-Chlorophenol	mg/Kg	1.7	1.5	89		
1,3-Dichlorobenzene	mg/Kg	1.7	1.4	84		
1,4-Dichlorobenzene	mg/Kg	1.7	1.4	86	37-132	
1,2-Dichlorobenzene	mg/Kg	1.7	1.4	86		
bis(2-Chloroisopropyl) Ether	mg/Kg	1.7	1.7	100		
N-Nitrosodi-n-propylamine	mg/Kg	1.7	1.6	99		
Hexachloroethane	mg/Kg	1.7	1.6	98	28-117	
Nitrobenzene	mg/Kg	1.7	1.7	101	34-122	
Isophorone	mg/Kg	1.7	1.7	99		
2-Nitrophenol	mg/Kg	1.7	1.5	90		
2,4-Dimethylphenol	mg/Kg	1.7	1.8	106		
bis(2-Chloroethoxy)methane	mg/Kg	1.7	1.6	95		
2,4-Dichlorophenol	mg/Kg	1.7	1.4	84	40-122	
1,2,4-Trichlorobenzene	mg/Kg	1.7	1.5	90		
Naphthalene	mg/Kg	1.7	1.5	89		
Hexachlorobutadiene	mg/Kg	1.7	1.4	84	32-123	
4-Chloro-3-methylphenol	mg/Kg	1.7	1.5	93	45-122	
2-Methylnaphthalene	mg/Kg	1.7	1.4	82		
1-Methylnaphthalene	mg/Kg	1.7	1.4	84		
Hexachlorocyclopentadiene	mg/Kg	1.7	1.4	85		
2,4,6-Trichlorophenol	mg/Kg	1.7	1.4	85	39-126	
2-Chloronaphthalene	mg/Kg	1.7	1.6	96		
Dimethyl phthalate	mg/Kg	1.7	1.4	86		

CERTIFICATE OF ANALYSIS

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Advanced Environmental Laboratories, Inc.
6681 Southpoint Pkwy Jacksonville, FL32216
Payments: P.O. Box 551580 Jacksonville, FL32255-1580
Phone: (904)363-9350
Fax: (904)363-9354

QUALITY CONTROL DATA

Workorder: J1914432 St. Johns Power Park Demo

LABORATORY CONTROL SAMPLE: 3284654

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,6-Dinitrotoluene (2,6-DNT)	mg/Kg	1.7	1.5	92		
Acenaphthylene	mg/Kg	1.7	1.5	92		
Acenaphthene	mg/Kg	1.7	1.4	86	40-123	
2,4-Dinitrophenol	mg/Kg	1.7	1.3	79		
2,4-Dinitrotoluene (2,4-DNT)	mg/Kg	1.7	1.6	96	48-126	
4-Nitrophenol	mg/Kg	1.7	1.7	103		
Diethyl phthalate	mg/Kg	1.7	1.5	88		
Fluorene	mg/Kg	1.7	1.6	95	43-125	
4-Chlorophenyl Phenyl Ether	mg/Kg	1.7	1.4	83		
2-Methyl-4,6-dinitrophenol	mg/Kg	1.7	1.3	79		
N-Nitrosodiphenylamine	mg/Kg	1.7	1.3	78		
1,2-Diphenylhydrazine	mg/Kg	1.7	1.6	98		
4-Bromophenyl Phenyl Ether	mg/Kg	1.7	1.3	81		
Hexachlorobenzene	mg/Kg	1.7	1.4	83	45-122	
Pentachlorophenol	mg/Kg	1.7	1.3	76	25-133	
Phenanthrene	mg/Kg	1.7	1.6	96		
Anthracene	mg/Kg	1.7	1.6	97		
Di-n-Butyl Phthalate	mg/Kg	1.7	1.5	89		
Fluoranthene	mg/Kg	1.7	1.6	99	50-127	
Pyrene	mg/Kg	1.7	1.8	107		
Butyl benzyl phthalate	mg/Kg	1.7	1.8	107		
Benzo[a]anthracene	mg/Kg	1.7	1.7	99		
Chrysene	mg/Kg	1.7	1.7	105		
bis(2-Ethylhexyl) phthalate	mg/Kg	1.7	1.7	103	51-133	
Di-n-octyl Phthalate	mg/Kg	1.7	1.9	112		
Benzo[b]fluoranthene	mg/Kg	1.7	1.7	105		
Benzo[k]fluoranthene	mg/Kg	1.7	1.6	98		
Benzo[a]pyrene	mg/Kg	1.7	1.8	109	45-129	
Indeno(1,2,3-cd)pyrene	mg/Kg	1.7	1.8	111		
Dibenzo[a,h]anthracene	mg/Kg	1.7	1.8	107		
Benzo[g,h,i]perylene	mg/Kg	1.7	1.7	103		
Benzidine	mg/Kg	1.7	0.73	44		
3,3`-Dichlorobenzidine	mg/Kg	1.7	1.4	83		
2-Fluorophenol (S)	%			93	35-115	
Phenol-d6 (S)	%			94	33-122	
Nitrobenzene-d5 (S)	%			103	37-122	
2-Fluorobiphenyl (S)	%			91	44-115	
2,4,6-Tribromophenol (S)	%			79	39-132	
p-Terphenyl-d14 (S)	%			103	54-127	

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Payments: P.O. Box 551580 Jacksonville, FL32255-1580
Phone: (904)363-9350
Fax: (904)363-9354

QUALITY CONTROL DATA

Workorder: J1914432 St. Johns Power Park Demo

QC Batch: EXTj/4359 Analysis Method: FL-PRO

QC Batch Method: FL-PRO Prepared: 11/09/2019 07:45

Associated Lab Samples: J1914432001

METHOD BLANK: 3285106

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
SEMIVOLATILES				
TPH	mg/Kg	9.8	9.8	U
o-Terphenyl (S)	%	85	66-136	
Nonatricontane-C39 (S)	%	65	36-132	

LABORATORY CONTROL SAMPLE: 3285107

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
SEMIVOLATILES						
TPH	mg/Kg	34	32	95	49-128	
o-Terphenyl (S)	%			93	66-136	
Nonatricontane-C39 (S)	%			72	36-132	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3285108 3285109 Original: J1914544003

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
SEMIVOLATILES											
TPH	mg/Kg	30	34	58	60	31	35	49-128	3	25	
o-Terphenyl (S)	%					84	82	66-136	3	25	
Nonatricontane-C39 (S)	%					69	77	36-132	12	25	

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QUALITY CONTROL DATA QUALIFIERS

Workorder: J1914432 St. Johns Power Park Demo

QUALITY CONTROL PARAMETER QUALIFIERS

U	The compound was analyzed for but not detected.
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J4	Estimated Result

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: J1914432 St. Johns Power Park Demo

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
J1914432001	DU-3_4	SW-846 3550B	EXTj/4330	SW-846 8082A	GCSj/3373
J1914432001	DU-3_4	SW-846 5035	MSVj/4552	SW-846 8260B	MSVj/4553
J1914432001	DU-3_4	SW-846 3050B	DGMj/4230	SW-846 6010	ICPj/2357
J1914432001	DU-3_4	SW-846 7471A	DGMj/4238	SW-846 7471A	CVAj/1715
J1914432001	DU-3_4			SM 2540G	WCAj/6668
J1914432001	DU-3_4	SW-846 3550B	EXTj/4354	SW-846 8270C	MSSj/2374
J1914432001	DU-3_4	FL-PRO	EXTj/4359	FL-PRO	GCSj/3391

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☐ Gainesville: 4965 SW 41st Blvd. • Gainesville, FL 32608 • 3
☐ Jacksonville: 6681 Southpoint Pkwy. • Jacksonville, FL 32
☐ Miramar: 10200 USA Today Way, Miramar, FL 33025 • 954.
☐ Tallahassee: 1288 Cedar Center Drive, Tallahassee, FL 3
☐ Tampa: 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.6

697

* J 1 9 1 4 4 3 2 *

Client Name:	Taylor Engineering
Address:	10199 Southside Blvd, Suite 310
	Jacksonville, FL 32256
Phone:	904-731-7040
FAX:	
Contact:	Bill Aley
Sampled By:	
Turn Around Time:	☐ STANDARD ☐ RUSH
Page_____ of _____	

Project Name: St. Johns Power Park Demo

P.O. Number/Project Number: C2018-045

Project Location:

FDEP Facility No:

Project Name and Address:

Special Instructions: Jax Profile: 35369

☐ ADaPT ☐ EQuIS

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	BOTTLE SIZE & TYPE	ANALYSIS REQUIRED: 8260 PP	8270 PP	8082 PCBs	FL-PRO	6010/7471 8 RCRA Metals+Boron						LABORATORY I.D. NUMBER
DU-3/4	Cut 9	✓	11/4/19	1:00	SO				X	X	X	X	X						

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge

Preservation Code: I = ice H=(HCl) S = (H_2SO_4) N = (HNO_3) T = (Sodium Thiosulfate)

Received on Ice ☑ Yes ☐ No ☒ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temperature when received 4 (in degrees celcius)

DCN: AD-051 Form last revised 08/18/2014

Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V

	Relinquished by:	Date	Time	Received by:	Date	Time
1		11/4/19	2:00		11-4-19	14:00
2						
3						
4						

FOR DRINKING WATER USE:

(When PWS Information not otherwise supplied) PWS ID:_____

Contact Person:_____ Phone :_____

Supplier of Water:_____

Site-Address:_____

Wednesday, November 13, 2019 4:00:15 PM

Advanced Environmental Labs Inc

Client: TAYLOR ENGINEERING

Project name: ST. JOHNS POWER PARK DEMO

Date/Time Rcvd: 11.4.19 / 1400

Log-In request number: J1914437

Received by: BA

Completed by: KE

Cooler/Shipping Information:

Courier: ☐ AEL ☒ Client ☐ UPS ☐ Blue Streak ☐ FedEx ☐ AES ☐ ASAP ☐ Other (describe):

Type: ☒ Cooler ☐ Box ☐ Other (describe)

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

Cooler ID					
Temp (°C)	4				
Temp taken from	☒ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler	☐ Sample Bottle ☐ Cooler
Temp measured with	☒ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):	☐ IR gun S/N 9333779 ☐ Thermometer (enter ID):

Other Information:

Any discrepancies should be explained in the "Comments" section below.

CHECKLIST	YES	NO	NA
1. Were custody seals on shipping container(s) intact?			✓
2. Were custody papers properly included with samples?	✓		
3. Were custody papers properly filled out (ink, signed, match labels)?	✓		
4. Did all bottles arrive in good condition (unbroken)?	✓		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	✓		
6. Did the sample labels agree with the chain of custody?	✓		
7. Were correct bottles used for the tests indicated?	✓		
8. Were proper sample preservation techniques indicated on the label?	✓		
9. Were samples received within holding times?	✓		
10. Were all VOA vials free of the presence of air bubbles?	✓		
11. Have all Soil VOA Vials and Encores been placed in a freezer within 48 hours of collection?			✓
12. Were samples in direct contact with wet ice? If "No," check one: ☐ NO ICE ☐ BLUE ICE	✓		
13. Was the cooler temperature less than 6°C?	✓		
14. Where pH preservation is required, are sample pHs checked and any anomalies recorded by Sample control? Are all <2 or >10? Note: VOA samples are checked by laboratory analysts.	✓		
15. Was sufficient sample volume provided to perform all tests?			✓
16. If for Bacteriological testing, were containers supplied by AEL? (See QA officer if answer is no)	✓		
17. Were all sample containers provided by AEL? (Other than Bacteriological)			✓
18. Were samples accepted into the laboratory?	✓		
19. When necessary to split samples into other bottles, is it noted in the comments?	✓		

Comments: (Note all sample(s) and container (s)" with a "No" checklist response in this comment section)

Advanced Environmental Laboratories, Inc.

6681 Southpoint Parkway
Jacksonville, Florida 32216
Office (904) 363-9350
Fax (904) 363-9354

Project No.: J1914432

Client Name: Taylor Engineering

ProjectID: St. Johns Power Park Demo

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 8082A

Preparation: SW-846 3550B

IV. Preparation

All samples in batch GCSj:3373 were Florisil cleaned as per EPA method 3620C.

V. Analysis

A. Calibration: The upper control criterion was exceeded for Aroclor 1016 (PCB-1016) and Aroclor 1260 (PCB-1260) in Continuing Calibration Verification (CCV) standards for analytical batch GCSj:3373, indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.

B. Blanks: All acceptance criteria were met.

C. Surrogates: All acceptance criteria were met.

D. Spikes: All acceptance criteria were met.

E. Internal Standard:

F. Samples: Sample analyses proceeded normally.

G. Other:

Advanced
Environmental Laboratories, Inc.

6681 Southpoint Parkway
Jacksonville, Florida 32216
Office (904) 363-9350
Fax (904) 363-9354

Project No.: J1914432

Client Name: Taylor Engineering

ProjectID: St. Johns Power Park Demo

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: FL-PRO

Preparation: FL-PRO

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Surrogates: All acceptance criteria were met.

D. Spikes: The Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries of TPH for J1914544003 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) and %RPD were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests sample matrix interference as the low spike recovery in the MS was confirmed in the MSD. The parent sample was qualified accordingly to indicate sample matrix interference.

E. Internal Standard:

F. Samples: Sample analyses proceeded normally.

G. Other:

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Jacksonville, Florida 32216
Office (904) 363-9350
Fax (904) 363-9354

Project No.: J1914432

Client Name: Taylor Engineering

ProjectID: St. Johns Power Park Demo

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 6010

Preparation: SW-846 3050B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Duplicates: All acceptance criteria were met.

D. Spikes: The matrix spike and matrix spike duplicate recoveries of Silver for J1914431019 were outside control criteria due to the presence of target analytes in the sample. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The affected sample is qualified to indicate matrix interference.

E. Serial Diluion: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

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Jacksonville, Florida 32216
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Fax (904) 363-9354

Project No.: J1914432

Client Name: Taylor Engineering

ProjectID: St. Johns Power Park Demo

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 8270C

Preparation: SW-846 3550B

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: The upper control criterion was exceeded for several target analytes in Continuing Calibration Verification (CCV) standards for analytical batch 2374, indicating increased sensitivity. The client samples reported in this batch did not contain the analytes in question or were rerun with passing CCVs. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.

B. Blanks: All acceptance criteria were met.

C. Surrogates: All acceptance criteria were met.

D. Spikes: All acceptance criteria were met.

E. Internal Standard: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

Advanced Environmental Laboratories, Inc.

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Jacksonville, Florida 32216
Office (904) 363-9350
Fax (904) 363-9354

Project No.: J1914432

Client Name: Taylor Engineering

ProjectID: St. Johns Power Park Demo

I. Receipt

No Exceptions were encountered.

II. Holding Times

Preparation: All holding times were met.

Analysis: All holding times were met.

III. Method

Analysis: SW-846 8260B

Preparation: SW-846 5035

IV. Preparation

Sample preparation proceeded normally.

V. Analysis

A. Calibration: The upper control criterion was exceeded for the following analytes in the Continuing Calibration Verification (CCV): Bromomethane, Acrolein and 2-Chloroetheylvinyl ether. The client samples analyzed in this batch did not contain the analytes in question. Since the apparent problem equates to a potential high bias, the data quality is not affected. No further corrective action was required.

B. Blanks: All acceptance criteria were met.

C. Surrogates: All acceptance criteria were met.

D. Spikes: The matrix spike (MS) recoveries of Methyl tert-butyl Ether, Benzene, Xylene MP and Xylene O for J1914400001 were outside control criteria. Recoveries in the Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. The affected sample is qualified to indicate matrix interference.

E. Internal Standard: All acceptance criteria were met.

F. Samples: Sample analyses proceeded normally.

G. Other:

Appendix C
Oily Waste Basins Closure Disposal Documents
Used Oil and Water

0800 –

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD000735860
2. Page 1 of: 1
3. Emergency Response Phone: 888 283-5338
4. Waste Tracking Number: JF0101120

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman
Generator's Site Address (if different than mailing address)
Jea SJRPP
4377 Heckscher Drive
Jacksonville FL 32226
Generator's Phone: 904 665-4705

6. Transporter 1 Company Name: Moran Environmental Recovery
U.S. EPA ID Number: FLD002710570

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-0320
U.S. EPA ID Number: FLR000068062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	city waste water	001	TT	3000	G	
2.						
3.						
4.	PH 6.97 Sol 0 0.1 0 tox 0	flash >140		Color grey	odor petro	

13. Special Handling Instructions and Additional Information
Moran Environmental Recovery 24 hr #904-241-2200
Mer Job # 20FLJJ0047 PO# JJ000194
WRI approval # W-0202
TI: 1030
TO: 1055

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman
Signature: Karen Foreman
Month: 3 Day: 2 Year: 20

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PATRICK CANDLER
Signature:
Month: 3 Day: 2 Year: 20
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Conor Lucey
Signature: Conor Lucey
Month: 3 Day: 2 Year: 2020

169-BLC-O 6 10498 (Rev. 9/09) DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD980515191

2. Page 1 of 1

3. Emergency Response Phone: ~~800 333-6930~~

4. Waste Tracking Number: JF0101220

5. Generator's Name and Mailing Address

JEA

Att: Karen Foreman

~~Jea S IBPP~~ PC
~~4377 Hecksher Drive~~
~~Jacksonville FL 32226~~

Generator's Site Address (if different than mailing address): SJRPP 11201 New Berlin Rd, JACKSONVILLE, Florida 32226

Generator's Phone: ~~904 665-4785~~

6. Transporter 1 Company Name: Moran Environmental Recovery

U.S. EPA ID Number: FLD982710570

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Water Recovery LLC
1619 Albert Street
Jacksonville FL 32202

Facility's Phone: 904 475-9320

U.S. EPA ID Number: FLR000069002

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	city waste water	001	TT	280	G	
2.	City Waste PC					
3.						
4.	PH 6.63 Sol O Oil 15 Tox O		Trash	>140	Color Mix oar Petro	

13. Special Handling Instructions and Additional Information

Moran Environmental Recovery 24 hr #904-241-2200

Mer Job # 20FLJJ0047 PO# JJ000194
WRI approval # W-0202

Ti 14:30
TO 1630

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman | Signature: Karen Foreman | Month: 3 | Day: 2 | Year: 20

INTL

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: J. Andre | Signature: J. Andre | Month: 3 | Day: 2 | Year: 20

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Carol Lucas | Signature: Carol Lucas | Month: 3 | Day: 2 | Year: 20

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

#3

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD980515191 Att: Karen Foreman
2. Page 1 of 1
3. Emergency Response Phone: 866 255-5334
4. Waste Tracking Number: JP0702420

5. Generator's Name and Mailing Address: JEA
Generator's Phone: 904 665-4705
Generator's Site Address (if different than mailing address): ~~4377 Hyclacher Drive Jacksonville FL 32226~~ SJRPP 11201 New Brelin Rd Jacksonville, FL 32226

6. Transporter 1 Company Name: Moran Environmental Recovery
U.S. EPA ID Number: FLD092718576

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: Water Recovery LLC
1610 Albert Street
Jacksonville FL 32202
904 475-0320
Facility's Phone:
U.S. EPA ID Number: FLR000069062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	~~City Waste Water~~	001	TT	3000	T
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Moran Environmental Recovery 24 hr #904-241-2200
Mer Job # 20FLJJ0047 PO# JJ000194
WRI approval # pH 5.87 So/o a/a foX a flash >140 Co/yellow d Petro
Tin 0700 Tout 0230

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman
Signature: Karen Foreman
Month 3 Day 2 Year 20

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PATRICK ARCHER
Signature
Month 3 Day 2 Year 20
Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Nicole Neumann
Signature
Month 3 Day 3 Year 20

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

#4

0800-0910

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD980515191 | 2. Page 1 of 1 | 3. Emergency Response Phone: 866 283-5338 | 4. Waste Tracking Number: JF011012020

5. Generator's Name and Mailing Address: ~~USA~~ Att: Karen Foreman
~~USA Starch~~
~~4877 Hacklecher Drive~~
~~Jacksonville FL 32220~~

Generator's Site Address (if different than mailing address): SJRAP 11201 New Berlin Rd Jacksonville FL

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name: Moran Environmental Recovery | U.S. EPA ID Number: FLD092718576

7. Transporter 2 Company Name | U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
~~Water Recovery LLC~~
~~1819 Albert Street~~
~~Jacksonville FL 32202~~
~~904 475-9320~~

U.S. EPA ID Number: FLR000069062

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	~~City Waste Water~~	001	TT	3000	T	
2.						
3.						
4.	PH 6.11 Sol O oil O tox O	flash >199		Color cloudy/dark none		

13. Special Handling Instructions and Additional Information
Moran Environmental Recovery 24 hr #904-241-2200
Mer Job # 20FLJJ0047 PO# JJ000194
WRI approval # W-0202
TI 9:40
TO 10:05

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman | Signature: Karen Foreman | Month 3 | Day 3 | Year 20

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Patrick Fancher | Signature | Month 3 | Day 3 | Year 20

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Conor Lucas | Signature: Conor Lucas | Month 3 | Day 3 | Year 20

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

- Plant City -

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD982116766 | 2. Page 1 of 1 | 3. Emergency Response Phone: 866 283-5338 | 4. Waste Tracking Number: JF012820

5. Generator's Name and Mailing Address: JEA Att: Karen Foreman

Generator's Site Address (if different than mailing address): JEA SJRPP, 11201 New Berlin Dr, Jacksonville FL 32226

Generator's Phone: 904 665-4785

6. Transporter 1 Company Name: Moran Environmental Recovery | U.S. EPA ID Number: FLD092710576

7. Transporter 2 Company Name | U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Water Recovery LLC, 1619 Albert Street, Jacksonville FL 32202, 904 475-0520 | U.S. EPA ID Number: FLR000069062

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Oily Waste Water	1	TT	3000	T	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

Moran Environmental Recovery 24 hr #904-241-2200

TI 14:20 TO 16:10

Mer Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0205

PH 9.12 Sol 0 Oil 0 tox 0 Flash >140 Col Clr OD Petro

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman | Signature: Karen Foreman | Month: 3 | Day: 5 | Year: 20

INTL

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James Hall | Signature: [signature] | Month: 3 | Day: 5 | Year: 20

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Conor Lucey | Signature: Conor Lucey | Month: 3 | Day: 5 | Year: 20

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

(1) 3-9-20

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD982116766
2. Page 1 of: 1
3. Emergency Response Phone: 888 233-5336
4. Waste Tracking Number: JF012720

GENERATOR

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32226

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name: Moran Environmental Recovery
U.S. EPA ID Number: FLD092718576

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-0320
U.S. EPA ID Number: FLR000069062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Oily Waste Water	001	TT	3000	T
2.					
3.					
4.	PH 6.51 SOI 0 0.1 0 tox 0 flash >140 Color-tan odor petro				

13. Special Handling Instructions and Additional Information
Moran Environmental Recovery 24 hr #904-241-2200
Mer Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - ~~0205~~ 0202 TT1095 TO1055

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman
Signature: Karen Foreman
Month: 3 Day: 9 Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Patrick Candler
Signature:
Month: 3 Day: 9 Year: 20

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Conor Lucey
Signature: Conor Lucey
Month: 3 Day: 9 Year: 2020

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DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD982116766 | 2. Page 1 of 1 | 3. Emergency Response Phone: 888 233-5335 | 4. Waste Tracking Number: JF01012620

5. Generator's Name and Mailing Address: JEA — Att: Karen Foreman

Generator's Site Address (if different than mailing address): Jea SJRPP, 11201 New Berlin Dr, Jacksonville FL 32226

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name: Moran Environmental Recovery — U.S. EPA ID Number: FLD092718570

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Water Recovery LLC, 1819 Albert Street, Jacksonville FL 32202 — U.S. EPA ID Number: FLR000069062

Facility's Phone: 904 475-0320

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Oily Waste Water	001	TT	3000	T
2.					
3.					
4.	PH 6.5 5010 Oil O TOX O flash >140 Color Cream more				

13. Special Handling Instructions and Additional Information

Moran Environmental Recovery 24 hr #904-241-2200

Mer Job # 20FLJJ0047 PO# JJ000194

WRI approval # W-0202 ~~W - 0205~~

TIB:00 D0535

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman — Signature: Karen Foreman — Month: 3 Day: 3 Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: PATRICK ANDLER — Signature: — Month: 3 Day: 3 Year: 20

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Conor Lucey — Signature: Conor Lucey — Month: 3 Day: 3 Year: 20

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DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD982116766 | 2. Page 1 of 1 | 3. Emergency Response Phone: 866 283-5398 | 4. Waste Tracking Number: JF01012020

5. Generator's Name and Mailing Address: JEA Att: Karen Foreman

Generator's Site Address (if different than mailing address): JEA SJRPP, 11201 New Berlin Dr, Jacksonville FL 32226

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name: Moran Environmental Recovery | U.S. EPA ID Number: FLD092710576

7. Transporter 2 Company Name | U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Water Recovery LLC, 1819 Albert Street, Jacksonville FL 32202 | U.S. EPA ID Number: FLR000069062

Facility's Phone: 904 475-8520

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	City Waste Water	001	TT	3000	T	
2.						
3.						
4.	PH 7.92 Soil 0 oil 0 TOX 0 Trash 3000 Contractor Pers					

13. Special Handling Instructions and Additional Information

Moran Environmental Recovery 24 hr #904-241-2200

Mer Job # 20FLJJ0047 PO# JJ000194

WRI approval # w - 0202 0205

D1650
T017:00

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman | Signature: Karen Foreman | Month 3 Day 3 Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: PATRICK ANDLER | Signature | Month 3 Day 3 Year 20

Transporter 2 Printed/Typed Name | Signature | Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Conor Lucey | Signature: Conor Lucey | Month 3 Day 3 Year 2020

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DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD980515191

2. Page 1 of: 1

3. Emergency Response Phone: 888 233-5338

4. Waste Tracking Number: JF01012620

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32226

Generator's Phone: 904 665-4765

6. Transporter 1 Company Name: Moran Environmental Recovery
U.S. EPA ID Number: FLD092710576

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-0320
U.S. EPA ID Number: FLR000069062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	City Waste Water	001	TT	3000	T	
2.						
3.						
4.	PH 6.98 Sol 0 oil 0 tox 0		Flash 7/140	Clear	Blk ad Rot	

13. Special Handling Instructions and Additional Information
Moran Environmental Recovery 24 hr #904-241-2200
Mer Job # 20FLJJ0047 PO# JJ000194
WRI approval # w - 0205
TI: 1130
TO: 1195

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman
Signature: Karen Foreman
Month: 3 Day: 3 Year: 20

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PATRICK CANDLER
Signature:
Month: 3 Day: 3 Year: 20
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Conor Lucas
Signature: Conor Lucas
Month: 3 Day: 3 Year: 20

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DESIGNATED FACILITY TO GENERATOR

(1)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number FLD982116766	2. Page 1 of 1	3. Emergency Response Phone 888 283-5388	4. Waste Tracking Number JF012320

GENERATOR

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32226

Generator's Phone: 904 665-4785

6. Transporter 1 Company Name: Moran Environmental Recovery — U.S. EPA ID Number: FLD092718576

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-0320
U.S. EPA ID Number: FLR000069062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Oily Waste Water	001	TT	3,000	T	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

Ti 8:40
To

Moran Environmental Recovery 24 hr #904-241-2200

Mor Job # 20FLJJ0047 PO# JJ000194 WRI approval # W- 0205

PH 6.48 Sol 0 Oil 3 tox 0 Flash 142 Col Mix OD None

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman — Signature — Month 3 Day 4 Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Juan Lebron — Signature — Month 3 Day 4 Year 20

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Nicole Neumann — Signature — Month 3 Day 9 Year 20

(2)

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	FLD982116766	1	888 233-5338	JF011820

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32220

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name: Moran Environmental Recovery — U.S. EPA ID Number: FLD092716576

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-9320
U.S. EPA ID Number: FLR000069062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	City Waste Water	001	TT	3000	T	
2.						
3.						
4.	PH 6.3 Solid 0.10 tox 0 flash 140 color Clear odor none					

13. Special Handling Instructions and Additional Information
Moran Environmental Recovery 24 hr #904-241-2200
Mer Job # 20FLJJ0047 PO# JJ000194 WRI approval # W-0205
T1: 1235
T2: 1300

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman — Signature: Karen Foreman — Month: 3 Day: 4 Year: 20

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ian Lebron — Signature: [signature] — Month: 3 Day: 4 Year: 20

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Nicole Neumann — Signature: [signature] — Month: 3 Day: 4 Year: 20

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DESIGNATED FACILITY TO GENERATOR

(3)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
FLD982116766	1	800 283-5338	JF011820

GENERATOR

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32229

Generator's Phone: 904 665-4765

6. Transporter 1 Company Name
Moran Environmental Recovery

U.S. EPA ID Number
FLD092718578

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-9320

U.S. EPA ID Number
FLR000069062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Oily Waste Water	001	TT	3,000	T	
2.						
3.						
4.						

4. pH 7.68 Soil 0 0.1 0 tox 0 flash >140 Combustible

13. Special Handling Instructions and Additional Information
Moran Environmental Recovery 24 hr #904-241-2200
T1459
TO 1615
Mer Job # 20FLJJ0047 PO# JJ000194 WRI approval # W-0205

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman | Signature: Karen Foreman | Month: 3 | Day: 4 | Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Juan Lebron | Signature | Month: 3 | Day: 4 | Year: 20

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Blake Kreitner | Signature: Blake Kreitner | Month: 3 | Day: 4 | Year: 20

(4)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
FLD982116166	1	800 283-5338	JF012020

GENERATOR

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
JEA Buck 1
11201 New Berlin Dr
Jacksonville FL 32226

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name: Moran Environmental Recovery
U.S. EPA ID Number: FLD092718578

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-0320
U.S. EPA ID Number: FLR000069062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	City Waste Water	001	TT	3000	T	
2.						
3.						
4.	RQ, 9, 96 Spoil oil Toxo Flush 7100 Cowdr (R) edr none					

13. Special Handling Instructions and Additional Information
Moran Environmental Recovery 24 hr #904-241-2200
Mer Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0205
T11630
020210710

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman
Signature: Karen Foreman
Month: 3 Day: 4 Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Juan Lebron
Signature:
Month: 3 Day: 4 Year: 20

Transporter 2 Printed/Typed Name
Signature
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Charlie Cerny
Signature: Charlie Cerny
Month: 3 Day: 9 Year: 2020

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DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD982116766 | 2. Page 1 of 1 | 3. Emergency Response Phone: 888 283-5338 | 4. Waste Tracking Number: JF012120

5. Generator's Name and Mailing Address: JEA — Att: Karen Foreman

Generator's Site Address (if different than mailing address): Jea SJRPP, 11201 New Berlin Dr, Jacksonville FL 32226

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name: Moran Environmental Recovery — U.S. EPA ID Number: FLD092718578

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Water Recovery LLC, 1619 Albert Street, Jacksonville FL 32202 — U.S. EPA ID Number: FLR000069062

Facility's Phone: 904 475-0320

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
GENERATOR	1. Oily Waste Water	T	TT	3,000	T	
	2.					
	3.					
	4. D816.19 S010 oil o toxo Flash >140 Color Clr Odor Petro					

13. Special Handling Instructions and Additional Information

Moran Environmental Recovery 24 hr #904-241-2200

Mor Job # 20FLJJ0047 PO# JJ000194 NRI approval # w - 0205

T19:25 T0/015

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman — Signature: Karen Foreman — Month: 3 Day: 5 Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James Hall — Signature: — Month: 3 Day: 5 Year: 20

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Carol Lutley — Signature: Carol Lutley — Month: 3 Day: 5 Year: 20

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DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD982116766 Att: Karen Foreman
2. Page 1 of 1
3. Emergency Response Phone: 866 283-5386
4. Waste Tracking Number: JF012220

5. Generator's Name and Mailing Address: JEA
Generator's Site Address (if different than mailing address): JEA SJRTP, 11201 New Berlin Dr, Jacksonville FL 32228
Generator's Phone: 904 665-4785

6. Transporter 1 Company Name: Moran Environmental Recovery — U.S. EPA ID Number: FLD092718576

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Water Recovery LLC, 1819 Albert Street, Jacksonville FL 32202 — U.S. EPA ID Number: FLR000069062
Facility's Phone: 904 475-0320

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	City Waste Water	1	TT	3000	T	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

Moran Environmental Recovery 24 hr #904-241-2200

Mer Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0205

PH 6.62 Sol 0 Oil 0 tox 0 Flash >140 Col Tan OD Petro

Ti 11:40 To 12:10

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman — Signature: Karen Foreman — Month 3 Day 5 Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James Hall — Signature — Month 3 Day 5 Year 20

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Conner Irons — Signature: Conner Irons — Month 3 Day 5 Year 2020

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DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD982116766

2. Page 1 of: 1

3. Emergency Response Phone: 888 233-5338

4. Waste Tracking Number: JF012420

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32229

Generator's Phone: 904 665-4795

6. Transporter 1 Company Name
Moran Environmental Recovery

U.S. EPA ID Number: FLD092718578

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202

Facility's Phone: 904 475-0320

U.S. EPA ID Number: FLR000069062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	City Waste Water	61	TT	3000	T	
2.						
3.						
4.	PH 5.50 Sole oil o tax o Flash >140 CoTan OD Petro					

13. Special Handling Instructions and Additional Information

Moran Environmental Recovery 24 hr #904-241-2200

Mer Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0205

Ti 7:00 To

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman Signature: Karen Foreman Month: 3 Day: 5 Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James Hall Signature: Month: 3 Day: 5 Year: 20

Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Nicole Neumann Signature: Month: 3 Day: 16 Year: 20

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DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
				1 2 8 2 0

5. Generator's Name and Mailing Address: Att: Karen Foreman

Generator's Site Address (if different than mailing address): 11207 New Berlin Dr, Jacksonville FL 32226

Generator's Phone: 904 [illegible]

6. Transporter 1 Company Name: Moran Environmental Recovery — U.S. EPA ID Number: F L D 0 9 2 7 1 9 5 7 6

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: [illegible] 1819 Albert Street, Jacksonville FL 32202, 904 [illegible] — U.S. EPA ID Number: F L R 0 0 0 6 9 0 6 2

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	[illegible]		TF	300	gal T
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information

Moran Environmental Recovery 24 hr #904-241-2200

Mor Job # 20FLJJ0047 EQ# JJ000194 NRI approval # w - 0205

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman — Signature: [signature] — Month: 3 — Day: 5 — Year: 20

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [illegible] — Signature: [signature] — Month: 3 — Day: 5 — Year: 20

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month — Day — Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month — Day — Year

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number FLD962116766	2. Page 1 of 1	3. Emergency Response Phone 888 233-5338	4. Waste Tracking Number JFO 13721 JFO13721

GENERATOR

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32226

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name
Moran Environmental Recovery

U.S. EPA ID Number
FLD092718576

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery LLC
1810 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-0320

U.S. EPA ID Number
FLR000069062

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Oily Waste Water	1	TT	3000	T
2.				
3.				
4. PH 6.10 Sol ○ Oil ○ tox ○ Flash >140 Col clr Odor Petro				

13. Special Handling Instructions and Additional Information
Moran Environmental Recovery 24 hr #904-241-2200
Mor Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202
Ti 7:10
To 7:30

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman | Signature: Karen Foreman | Month: 3 | Day: 6 | Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James Hall | Signature: | Month: 3 | Day: 6 | Year: 20

Transporter 2 Printed/Typed Name: | Signature: | Month: | Day: | Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Blake Kreitner | Signature: Blake Kreitner | Month: 3 | Day: 9 | Year: 20

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD982116766

2. Page 1 of 1

3. Emergency Response Phone: 888 233-5956

4. Waste Tracking Number: JF018120

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32226

Generator's Phone: 904 665-4765

6. Transporter 1 Company Name
Moran Environmental Recovery

U.S. EPA ID Number: FLD092718576

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202

U.S. EPA ID Number: FLR000069062

Facility's Phone: 904 475-0320

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Oily Waste Water	01	TT	3000	T	
2.						
3.						
4.	PH7.02 Sol 0 0.10 tox 0	Flash>140 Color AR odor Para				

13. Special Handling Instructions and Additional Information

Moran Environmental Recovery 24 hr #904-241-2200

Mer Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202

T: 1020 Tan 1440

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman | Signature: Karen Foreman | Month: 3 | Day: 16 | Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James Jones | Signature | Month: 3 | Day: 16 | Year: 20

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Nicole Neumann | Signature | Month: 3 | Day: 16 | Year: 20

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DESIGNATED FACILITY TO GENERATOR

FLD982116766

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: N/1
2. Page 1 of: 1
3. Emergency Response Phone: 888 283-5338
4. Waste Tracking Number: JF01012720

GENERATOR

5. Generator's Name and Mailing Address: JEA — Att: Karen Foreman
Generator's Site Address (if different than mailing address): Jea SJRPP, 11201 New Berlin Dr, Jacksonville FL 32226
Generator's Phone: 904 665-4795

6. Transporter 1 Company Name: Moran Environmental Recovery
U.S. EPA ID Number: FLD092718576

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Water Recovery LLC, 1619 Albert Street, Jacksonville FL 32202
Facility's Phone: 904 475-8520
U.S. EPA ID Number: FLR000069062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Oily Waste Water	001	TT	3000	T
2.					
3.					
4.	PH 8.45 Sol o Oil o tax o Flash >140 Col Grey OD None				

13. Special Handling Instructions and Additional Information
Moran Environmental Recovery 24 hr #904-241-2200
Mer Job # 20FLJJ0047 PO# JJ000194
WRI approval # w - 0205
Ti 13:15
To 13:40

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen foreman — Signature: Karen Foreman — Month 3 Day 3 Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PATRICK ANDLER — Signature: — Month 3 Day 3 Year 20
Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Blake Kreitner — Signature: Blake Kreitner — Month 3 Day 3 Year 20

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD98 2116766
2. Page 1 of: 1
3. Emergency Response Phone: 888 233-5388
4. Waste Tracking Number: JF013220

5. Generator's Name and Mailing Address
JEA
Attn: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32226

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name: Moran Environmental Recovery
U.S. EPA ID Number: FLD092718576

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-0320
U.S. EPA ID Number: FLR000069062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Oily Waste Water	1	TT	3000	G	
2.						
3.						
4.	PH 6.30 Sol _o Oil _o tox _o Flash >140 Col Clear OD None					

13. Special Handling Instructions and Additional Information
Moran Environmental Recovery 24 hr #904-241-2200
Mer Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202
Ti 14:15
To KAS

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman
Signature: Karen Foreman
Month: 3 Day: 16 Year: 20

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Hall
Signature:
Month: 3 Day: 16 Year: 20
Transporter 2 Printed/Typed Name
Signature
Month: Day: Year:

DESIGNATED FACILITY
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Blake Kreitner
Signature: Blake Kreitner
Month: 3 Day: 16 Year: 20

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DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
FLD 982116766	1	888 283-5388	JF013420

GENERATOR

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32226

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name
Moran Environmental Recovery

U.S. EPA ID Number
FLD092710576

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-9320

U.S. EPA ID Number
FLR000069062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Oily Waste Water	61	TT	3000	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
TM HHS

Moran Environmental Recovery 24 hr #904-241-2200

Mor Job # 20FLJJ0047 PO# JJ000194 WRI approval # W - 0202

PH 46.5d 0.01 0. tox 0. Nash 7.40 Col Clr od hsi

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman
Signature: Karen Foreman
Month: 3 Day: 16 Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JAMES JONES
Signature:
Month: 3 Day: 16 Year: 20

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Nicole Neumann
Signature:
Month: 3 Day: 16 Year: 20

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DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD982116766 | 2. Page 1 of 1 | 3. Emergency Response Phone: 866 283-5338 | 4. Waste Tracking Number: JF013020

5. Generator's Name and Mailing Address: SEA Att: Karen Foreman

Generator's Site Address (if different than mailing address): JEA SJRPP, 11201 New Berlin Dr, Jacksonville FL 32226

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name: Moran Environmental Recovery | U.S. EPA ID Number: FLD092710570

7. Transporter 2 Company Name | U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Water Recovery LLC, 1819 Albert Street, Jacksonville FL 32202, 904 475-6320 | U.S. EPA ID Number: FLR000069062

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Oily Waste Water	01	TT	3000	T	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

Moran Environmental Recovery 24 hr #904-241-2200

Mor Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202

Ti 8:50 TO

PH 7 Color Odor toxo flash 74 Col Grayod none

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman | Signature: Karen Foreman | Month: 3 | Day: 6 | Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James J Sons | Signature | Month: 3 | Day: 6 | Year: 20

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Nicole Neumann | Signature | Month: 3 | Day: 16 | Year: 20

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DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
FLD982116766	1	800 233-5988	JF012020

GENERATOR

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32226

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name
Moran Environmental Recovery

U.S. EPA ID Number
FLD092718570

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-9320

U.S. EPA ID Number
FLR000069062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	City Waste Water	1	TT	3000	T	
2.						
3.						
4.	PH 6.98 SO1 0 0.1 0 10X 0	Flash 190		Color Clr Odor Petro		

13. Special Handling Instructions and Additional Information
Moran Environmental Recovery 24 hr #904-241-2200
Mer Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202
N 1920 Tint 1110

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman | Signature: Karen Foreman | Month: 3 | Day: 16 | Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James Hall | Signature | Month: 3 | Day: 16 | Year: 20

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Nicole Neumann | Signature | Month: 3 | Day: 16 | Year: 20

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DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD982116766
2. Page 1 of: 1
3. Emergency Response Phone: 888 283-5338
4. Waste Tracking Number: JF013320

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32226

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name: Moran Environmental Recovery
U.S. EPA ID Number: FLD082718576

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery LLC
1619 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-0320
U.S. EPA ID Number: FLR000069062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Oily Waste Water	1	TT	3000	T
2.					
3.					
4.	PH 6.95 Sol ○ Oil ○ tox ○ Flash >140 Col/Grey OD None ~~Clear~~				

13. Special Handling Instructions and Additional Information

Moran Environmental Recovery 24 hr #904-241-2200

Mor Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202

Ti 12:40
TO 12:50

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman | Signature: Karen Foreman | Month: 3 | Day: 6 | Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James Hall | Signature | Month: 3 | Day: 6 | Year: 20

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Blake Kreitner | Signature: Blake Kreitner | Month: 3 | Day: 6 | Year: 20

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	FLD982116766	1	888 283-5388	JF013620

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32226

Generator's Phone: 904 665-4785

6. Transporter 1 Company Name: Moran Environmental Recovery — U.S. EPA ID Number: FLD092718576

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-9320

U.S. EPA ID Number: FLR000069062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	City Waste Water	1	TT	3000	T	
2.						
3.						
4.	PH 6.2 8 S 0 1 0 0.1 0 tox 0	flash > 140	Color	Clr	Odor	none

13. Special Handling Instructions and Additional Information
T:1555
Moran Environmental Recovery 24 hr #904-241-2200
Mer Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202 T 01615

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman — Signature: Karen Foreman — Month: 3 Day: 16 Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James Hall — Signature: — Month: 3 Day: 16 Year: 20

Transporter 2 Printed/Typed Name — Signature — Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number:

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Conor Lucey — Signature: Conor Lucey — Month: 3 Day: 16 Year: 20

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DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD982116766 — Att: Karen Foreman
2. Page 1 of 1
3. Emergency Response Phone: 866 283-5336
4. Waste Tracking Number: JF012520

5. Generator's Name and Mailing Address: JEA
Generator's Site Address (if different than mailing address): JEA SJRPP, 11201 New Berlin Dr, Jacksonville FL 32226
Generator's Phone: 904 665-4705

6. Transporter 1 Company Name: Moran Environmental Recovery — U.S. EPA ID Number: FLD092718576

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Water Recovery LLC, 1619 Albert Street, Jacksonville FL 32202 — U.S. EPA ID Number: FLR000069062
Facility's Phone: 904 475-0520

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	City Waste Water	1	TT	3000	T	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
Moran Environmental Recovery 24 hr #904-241-2200 — Tank 0205
Mor Job # 20FLJJ0047 — PO# JJ000194 — WRI approval # w - 0205
PH 7.11 Sol 0 Oil 0 tox 0 Flash 140 Col Grn odor

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman — Signature: Karen Foreman — Month 3 Day 5 Year 20

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Hall — Signature: [signature] — Month 3 Day 6 Year 20
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Nicole Neumann — Signature: [signature] — Month 3 Day 6 Year 20

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DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD962116766
2. Page 1 of: 1
3. Emergency Response Phone: 888 283-5338
4. Waste Tracking Number: JF013720

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32228

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name
Moran Environmental Recovery
U.S. EPA ID Number: FLD092718576

7. Transporter 2 Company Name
WRI
U.S. EPA ID Number: FLR000069062

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-9320
U.S. EPA ID Number: FLR000069062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Oily Waste Water	01	TT	6000	G
2.					
3.	ONSITE 1230 - 133				
4.	TRUCC LEFT-1200 Return 209				

13. Special Handling Instructions and Additional Information

Moran Environmental Recovery 24 hr #904-241-2200

Mor Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202

PH 7.0 6.5 0 | 0 oil 0 tox 0 flash >140 color clr odor none

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman
Signature: Karen Foreman
Month: 3 Day: 16 Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: M. J Jones
Signature:
Month: 3 Day: 16 Year: 20

Transporter 2 Printed/Typed Name: Larry Parham
Signature:
Month: 3 Day: 16 Year: 20

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Conor Lucey
Signature: Conor Lucey
Month: 3 Day: 16 Year: 2020

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DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD982116766 | 2. Page 1 of: 1 | 3. Emergency Response Phone: 888 283-5338 | 4. Waste Tracking Number: JF018120

5. Generator's Name and Mailing Address: JEA Att: Karen Foreman

Generator's Site Address (if different than mailing address): Jea SJRPP, 11201 New Berlin Dr, Jacksonville FL 32228

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name: Moran Environmental Recovery | U.S. EPA ID Number: FLD092710576

7. Transporter 2 Company Name | U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Water Recovery LLC, 1819 Albert Street, Jacksonville FL 32202 | U.S. EPA ID Number: FLR000069062

Facility's Phone: 904 475-8320

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	City Waste Water	001	TT	3000	G	PC
2.						
3.						
4.	PH 8.84 SG 1.0 oil tox 0 Flash >140 Color OR Odor Petro					

13. Special Handling Instructions and Additional Information

Moran Environmental Recovery 24 hr #904-241-2200

Mer Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202

T/I 220
T/P 251

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman | Signature: Karen Foreman | Month: 3 | Day: 9 | Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: PATRICK | Signature | Month: 3 | Day: 9 | Year: 20

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Conor Lucey | Signature: Conor Lucey | Month: 3 | Day: 9 | Year: 2020

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DESIGNATED FACILITY TO GENERATOR

2

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
				JF0 2720

GENERATOR

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)
11201 Navy Blvd
Jacksonville FL 32226

Generator's Phone: 904 695-4795

6. Transporter 1 Company Name: Moran Environmental Recovery — U.S. EPA ID Number: FLD092716576

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
1810 Albert Street
Jacksonville FL 32202
904 476-9320
U.S. EPA ID Number: FLR000089062
Facility's Phone:

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. City Waste Water	001	TT	3000	G
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Moran Environmental Recovery 24 hr #904-241-2200
Mor Job # 20FLJJ0047 PO# JJ000194 MRI approval # w - 0205

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name — Signature — Month 3 Day 7 Year 10

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: FAIRLY CHANLEY — Signature — Month 3 Day 7 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month Day Year

1410

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
FLD962116766	1	888 233-5338	JF018220

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman
Generator's Phone: 904 665-4705

Generator's Site Address (if different than mailing address)
Jea &JRPP
11201 New Berlin Dr
Jacksonville FL 32228

6. Transporter 1 Company Name
Moran Environmental Recovery
U.S. EPA ID Number: FLD092710576

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-5520
U.S. EPA ID Number: FLR000069062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	City Waste Water	001	TT	3000	G
2.					
3.					
4.	PH, 92 Sole Oil & tox 0 Flash >140 Colt-um OD petro				

13. Special Handling Instructions and Additional Information
Ti 14:40
TO 1500
Moran Environmental Recovery 24 hr #904-241-2200
Mar Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman | Signature: Karen Foreman | Month: 3 | Day: 9 | Year: 20

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PATRICK PANELLO | Signature: | Month: 3 | Day: 9 | Year: 20
Transporter 2 Printed/Typed Name: | Signature: | Month: | Day: | Year:

DESIGNATED FACILITY
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Conor McCoy | Signature: Conor McCoy | Month: 3 | Day: 9 | Year: 20

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DESIGNATED FACILITY TO GENERATOR

1610

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD982166766 | 2. Page 1 of 1 | 3. Emergency Response Phone: 888 283-5388 | 4. Waste Tracking Number: JF018020

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman
Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32220
Generator's Phone: 904 665-4795

6. Transporter 1 Company Name: Moran Environmental Recovery | U.S. EPA ID Number: FLD092710578

7. Transporter 2 Company Name | U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-9320
U.S. EPA ID Number: FLR000068062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	City Waste Water	001	TT	3000	GAL	
2.						
3.						
4.	PH 7.53 Solo Oil0 Tox 0 Flash>140 Color tan odr none					

13. Special Handling Instructions and Additional Information
Moran Environmental Recovery 24 hr #904-241-2200
Mor Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202
TI 1630
TO 1702

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman | Signature: Karen Foreman | Month 3 | Day 9 | Year 20

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Patrick Sandler | Signature | Month 3 | Day 9 | Year 20
Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Conor McCoy | Signature: Conor McCoy | Month 3 | Day 9 | Year 2020

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DESIGNATED FACILITY TO GENERATOR

DH-Load # 1

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number FLD982116766	2. Page 1 of 1	3. Emergency Response Phone 800 283-5338	4. Waste Tracking Number JF018320

GENERATOR

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32226

Generator's Phone: 904 665-4795

6. Transporter 1 Company Name: Moran Environmental Recovery — U.S. EPA ID Number: FLD092718576

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-9320
U.S. EPA ID Number: FLR000069062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Oily Waste Water	001	TT	3000	GAL	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

Moran Environmental Recovery 24 hr #904-241-2200

Tin 0830 To 8:45

Mar Job # 20FLJJ0047 PO# JJ000194 WRI approval # W - 0202

Phenysol o q.s. to x o flash 140 Col Clr od none

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman — Signature: Karen Foreman — Month 3 Day 10 Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Don Hatfield — Signature — Month 3 Day 10 Year 20

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Nicole Neumann — Signature — Month 3 Day 10 Year 20

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DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number FLD982116766	2. Page 1 of 1	3. Emergency Response Phone 800 283-5338	4. Waste Tracking Number JF018420

GENERATOR

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32226

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name
Moran Environmental Recovery
U.S. EPA ID Number FLD092718578

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-9520
U.S. EPA ID Number FLR000069062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	City Waste Water	01	TT	3000	GAL
2.					
3.					
4.	PH 6.78 Sol ☐ oil ☐ tox ☐ Flash 212°F Col Clr OD None				

13. Special Handling Instructions and Additional Information
Ti 8:50
Te 09:15

Moran Environmental Recovery 24 hr #904-241-2200

Mor Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman | Signature: Karen Foreman | Month 3 | Day 10 | Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James Jones | Signature | Month 03 | Day 10 | Year 20

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Blake Kreitner | Signature: Blake Kreitner | Month 3 | Day 10 | Year 20

DH-Load #2

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	N-A	1	888 283-5338	JF018520

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32226

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name
Moran Environmental Recovery

U.S. EPA ID Number
FLD092710570

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery LLC
1619 Albert Street
Jacksonville FL 32202

U.S. EPA ID Number
FLR000089082

Facility's Phone: 904 475-8520

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Oily Waste Water	001	TT	3000	T	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
Tin 1010 Tant 1025

Moran Environmental Recovery 24 hr #904-241-2200

Mor Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202

PH 2.5 to 10 ale to xe flash 74° col clr od none

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman | Signature: Karen Foreman | Month 3 | Day 10 | Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Dan Hatfield | Signature: Dan Hatfield | Month 3 | Day 10 | Year 20

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Nicole Neumann | Signature | Month 3 | Day 10 | Year 20

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD982116766 | 2. Page 1 of: 1 | 3. Emergency Response Phone: 800 283-5336 | 4. Waste Tracking Number: JF018720

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32226

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name: Moran Environmental Recovery
U.S. EPA ID Number: FLD092718578

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-9320
U.S. EPA ID Number: FLR000069062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Oily Waste Water	01	TT	3000	GAL
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information

Tin 1020 Tout 11:10

Moran Environmental Recovery 24 hr #904-241-2200

Mor Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202

pH 6.3 Color alo toxo flashpoint color clr od none

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman | Signature: Karen Foreman | Month: 3 | Day: 10 | Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James S-nes | Signature | Month: 03 | Day: 10 | Year: 20

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Nicole Neumann | Signature | Month: 3 | Day: 10 | Year: 20

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DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	1	888 233-5336	JF017920

GENERATOR

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32226

Generator's Phone: 904 665-4795

6. Transporter 1 Company Name: Moran Environmental Recovery — U.S. EPA ID Number: FLD092718570

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-0920

U.S. EPA ID Number: FLR000069062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Oily Waste Water	001	TT	3000	GAL
2.					
3.					
4.	PH6.05 Sol 10 oil 0 tox 0 Flash >140 CalGrey OD None				

13. Special Handling Instructions and Additional Information

Moran Environmental Recovery 24 hr #904-241-2200

Mor Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202

Ti 11:50
To 12:45

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman — Signature: Karen Foreman — Month 3 Day 10 Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Don Hatfield — Signature: Don Hatfield — Month 3 Day 10 Year 20

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Blake Kreitner — Signature: Blake Kreitner — Month 3 Day 10 Year 20

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 888 233-5336	4. Waste Tracking Number JF020120

GENERATOR

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman
Generator's Phone: 904 665-4785

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32226

6. Transporter 1 Company Name
Moran Environmental Recovery
U.S. EPA ID Number: FLD092718570

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-9320
U.S. EPA ID Number: FLR000089062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	City Waste Water	01	TT	3000	GAL	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
Moran Environmental Recovery 24 hr #904-241-2200
Tin 1250 Tauf 1330
Mer Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202
PH 1.9 Solo glo tox o Rash 2140 Col Black od Nau

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman | Signature: Karen Foreman | Month: 3 | Day: 10 | Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JAMES JONES | Signature | Month: 3 | Day: 10 | Year: 20

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Nicole Neumann | Signature | Month: 3 | Day: 10 | Year: 20

DH-Load #4

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	1	866 283-5938	JF010820

GENERATOR

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman
Generator's Phone: 904 665-4765

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32226

6. Transporter 1 Company Name: Moran Environmental Recovery — U.S. EPA ID Number: FLD092710576

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-9520
U.S. EPA ID Number: FLR000069062

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. City Waste Water	001	TT	3000	GAL
2.				
3.				
4. PH 6.10 Sal 2 Oil 2 tox 2 Flash >140 Co Grey OD None				

13. Special Handling Instructions and Additional Information
Moran Environmental Recovery 24 hr #904-241-2200
Mor Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202
TI 14:15
TO 15:00

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman — Signature: Karen Foreman — Month 3 Day 10 Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Don Hatfield — Signature: Don Hatfield — Month 3 Day 10 Year 20

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: blake Kreitner — Signature: blake Kreitner — Month 3 Day 10 Year 20

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FD 962116766 | 2. Page 1 of: 1 | 3. Emergency Response Phone: 800 283-5938 | 4. Waste Tracking Number: JF019620

GENERATOR

5. Generator's Name and Mailing Address: JEA — Att: Karen Foreman

Generator's Site Address (if different than mailing address): Jea SJRPP, 11201 New Berlin Dr, Jacksonville FL 32226

Generator's Phone: 904 665-4765

6. Transporter 1 Company Name: Moran Environmental Recovery — U.S. EPA ID Number: FLD092710576

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Water Recovery LLC, 1819 Albert Street, Jacksonville FL 32202 — U.S. EPA ID Number: FLR000069062

Facility's Phone: 904 475-8520

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	City Waste Water	01	TT	3000	GAL
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information

PH 6-9 SOLO 0:0 TOX 0 flash >190 Color BLK or none

Moran Environmental Recovery 24 hr #904-241-2200

Mer Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202

Tait Hall

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman — Signature: Karen Foreman — Month: 3 Day: 10 Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James Jones — Signature: [signature] — Month: 03 Day: 10 Year: 20

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Carr Lucas — Signature: Carr Lucas — Month: 3 Day: 10 Year: 2020

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DESIGNATED FACILITY TO GENERATOR

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST

1. Generator's US EPA ID No. Manifest Doc No.

2. Page 1 of 7567

3. Generator's Mailing Address:
JEA SJRPP
11201 NEW BERLIN ROAD
JACKSONVILLE, FL 32226
4. Generator's Phone
904.665.6253

Generator's Site Address (If different than mailing):

A. Manifest Number 7163235

B. State Generator's ID

5. Transporter 1 Company Name

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone (904) 589 1333

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND LANDFILL
367 CHESSER ISLAND ROAD
FOLKSTON, GA 31537

10. US EPA ID Number

G. State Facility ID

H. State Facility Phone 912.496.7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. CONSTRUCTION AND DEMOLITION DEBRIS WM Profile # 408780FL 41.0592FL SGIL					G63320 N26780
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell Level
Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
ROBERT MINGO				

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

7163235

TOTAL WRECKING & ENVIRONMENTAL

PO Box 326 Buffalo, NY 14231
716.692.2002

Transaction Number:	7567	Hauler:	US Environmental
Transaction Date:	3/10/2020 9:56:38AM	Vehicle:	307

Load:	1		
Operation:	Shipped	Gross:	63320 lb
Account:	Waste Management	Tare:	36540 lb
Contract:		Net:	26780 lb

Pass Number	Date	Scale Name	Weight	Manual Scale?	Operator
1	2/6/2020 5:08:39PM	Truck Scale	36540 lb	No	mbruinsma
2	3/10/2020 9:56:38AM	Truck Scale	63320 lb	No	theo2r

Material
contaminated soil

R Mings
Driver Signature

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
FLD982116766	1	888 238-5338	JF019720

GENERATOR

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32226

Generator's Phone: 904 665-4765

6. Transporter 1 Company Name
Moran Environmental Recovery

U.S. EPA ID Number
FLD092710576

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202

U.S. EPA ID Number
FLR000069062

Facility's Phone: 904 475-6320

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	City Waste Water	01	TT	3000	GAL	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
Moran Environmental Recovery 24 hr #904-241-2200
Ti 8:10
To 840
Mer Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202
PH 3.4 Ro 0 gl 0 to X 0 Rash 7142 Co Dark od Pale

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman
Signature: Karen Foreman
Month: 3 Day: 11 Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James Jones
Signature:
Month: 3 Day: 11 Year: 20

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Nicole Neumann
Signature:
Month: 3 Day: 11 Year: 20

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DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
FLD982116766	1	800 283-5338	JF019820

GENERATOR

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32226

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name
Moran Environmental Recovery

U.S. EPA ID Number
FLD092710576

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery LLC
1619 Albert Street
Jacksonville FL 32202

U.S. EPA ID Number
FLR000069062

Facility's Phone: 904 475-0320

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Oily Waste Water	01	TT	3000	GAL
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Tin 0945 Tout 10:00

Moran Environmental Recovery 24 hr #904-241-2200

Mor Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202

PH 6.50/10 alc. to Xc. flash 140 collect odrine

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman
Signature: Karen Foreman
Month: 3 Day: 11 Year: 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Joe Osborne
Signature:
Month: 3 Day: 11 Year: 20

Transporter 2 Printed/Typed Name
Signature
Month: Day: Year:

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Nicole Neumann
Signature:
Month: 3 Day: 11 Year: 20

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

OW6 (3)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
FLD982116766	1	888 283-5338	JF019920

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Joe SJRPP
11201 New Berlin Dr
Jacksonville FL 32226

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name
Moran Environmental Recovery

U.S. EPA ID Number
FLD092718578

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202

U.S. EPA ID Number
FLR000068062

Facility's Phone: 904 475-9520

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Oily Waste Water		TT	3000	GAL	
2.						
3.						
4.						

4. Pt 16.20 Sol 0 0.1 0 Hex 0 Flash 140 Color Blk Odor none

13. Special Handling Instructions and Additional Information
Moran Environmental Recovery 24 hr #904-241-2200
Mor Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202

11:1/2 TO 12:00

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman
Signature: Karen Foreman
Month: 3 Day: 11 Year: 20

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Joe Osborne
Signature:
Month: 3 Day: 11 Year: 20
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY
17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Conor Lucey
Signature: Conor Lucey
Month: 3 Day: 11 Year: 20

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

OW7

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	FLD982116766	1	800 233-5388	JF020020

5. Generator's Name and Mailing Address
JEA
Att: Karen Foreman

Generator's Site Address (if different than mailing address)
Jea SJRPP
11201 New Berlin Dr
Jacksonville FL 32226

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name
Moran Environmental Recovery

U.S. EPA ID Number
FLD092718570

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Water Recovery LLC
1819 Albert Street
Jacksonville FL 32202
Facility's Phone: 904 475-6320

U.S. EPA ID Number
FLR000069062

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	City Waste Water	01	TT	3000	T	
2.						
3.						
4.	PH 6.20 SOLO 0.10 TXO flashpoint Color CLR Odr none					

13. Special Handling Instructions and Additional Information
Moran Environmental Recovery 24 hr #904-241-2200
Mor Job # 20FLJJ0047 PO# JJ000194 WRI approval # w - 0202
T 11.50
TO 12.00

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman | Signature: Karen | Month: 3 | Day: 11 | Year: 20

INT'L
15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER
16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JAMES Jones | Signature: | Month: 03 | Day: 11 | Year: 20

Transporter 2 Printed/Typed Name: | Signature: | Month: | Day: | Year:

DESIGNATED FACILITY
17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Omar Weeks | Signature: | Month: 3 | Day: 11 | Year: 2020

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DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: FLD982116766 | 2. Page 1 of 1 | 3. Emergency Response Phone: 866 288-5348 | 4. Waste Tracking Number: JF038220

5. Generator's Name and Mailing Address: JEA Att: Karen Foreman

Generator's Site Address (if different than mailing address): JEA Solid Waste
11201 New Berlin Dr
Jacksonville FL 32226

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name: Moran Environmental Recovery | U.S. EPA ID Number: FLD092718576

7. Transporter 2 Company Name | U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Moran Recovery LLC
1819 Albert Street
Jacksonville FL 32202
904 475-0320

U.S. EPA ID Number: FLR000069062

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	City Waste Water	1	TT	2000	GAL	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

Moran Environmental Recovery 24 hr #904-241-2200

Mer Job # 20FLJJ0047 PO# JJ000194 NRI approval # W - 0202

TIN 0180 Tank 1610

pH 6.24 Sol 5 al 0 tox ν flash 7/10 Color Blk odor none

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman | Signature: Karen Foreman | Month 5 | Day 19 | Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: PATRICK SANCHEZ | Signature: X Patrick Sanchez | Month 5 | Day 19 | Year 20

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Conor Lucas | Signature: Conor Lucas | Month 5 | Day 19 | Year 20

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of 1

3. Emergency Response Phone 888 283-5338

4. Waste Tracking Number JF038120

5. Generator's Name and Mailing Address JEA Att: Karen Foreman

Generator's Site Address (if different than mailing address) JEA Buckman 11201 New Berlin Dr Jacksonville FL 32226

Generator's Phone: 904 665-4705

6. Transporter 1 Company Name Moran Environmental Recovery

U.S. EPA ID Number FLD082718576

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address Water Recovery LLC 1819 Albert Street Jacksonville FL 32202

U.S. EPA ID Number FLR000069062

Facility's Phone: 904 475-9320

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Oily Waste Water	1	TT	2500	GAL	
2.						
3.						
4.						

Solids Pit

13. Special Handling Instructions and Additional Information

Moran Environmental Recovery 24 hr #904-241-2200 TIN 0850 Tank 1625

Mer Job # 20FLJJ0047 PO# JJ000194 WRI approval # W - 0202

PH * Sol 100 a/c toxo Nash 7140 Col MN od none

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name Karen Foreman Signature Karen Foreman Month 5 Day 22 Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name PATRICK ANDLET Signature Month 5 Day 22 Year 20

Transporter 2 Printed/Typed Name Signature Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name Nicole Neumann Signature Month 5 Day 22 Year 20

169-BLC-O 6 10498 (Rev. 9/09)

DESIGNATED FACILITY TO GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number N/A	2. Page 1 of 1	3. Emergency Response Phone 866 283-5336	4. Waste Tracking Number JF038020

5. Generator's Name and Mailing Address: Att: Karen Foreman

Generator's Site Address (if different than mailing address): 11201 New Berlin Dr, Jacksonville FL 32226

Generator's Phone: 904 665-4795

6. Transporter 1 Company Name: Moran Environmental Recovery — U.S. EPA ID Number: FLD092718576

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Water Recovery LLC, 1819 Albert Street, Jacksonville FL 32202 — U.S. EPA ID Number: FLR000069062

Facility's Phone: 904 475-8520

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	City Waste Water	1	TT	3000	GAL	
2.						
3.						
4.	Ph 8.00 Sol. ☑ Oil ☑ Tox ○ Flash >140 Col Dark Od Petro					

13. Special Handling Instructions and Additional Information

Moran Environmental Recovery 24 hr #904-241-2200

Ti 12:30 To 12:53

~~Mor-[illegible] #~~ Job # 20FLJJ0140

~~Pol-[illegible]RA~~ 3500027Z

WRI approval # W - 0202

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Karen Foreman — Signature: Karen Foreman — Month 6 Day 12 Year 20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: X Don Hatfield — Signature: X — Month 6 Day 12 Year 20

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Blake Kreitner — Signature: Blake Kreitner — Month 6 Day 12 Year 20

Appendix D
Oily Waste Basins Closure Disposal Documents
Sludge and Liner

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of 300
3. Generator's Mailing Address SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (If different than mailing).		A. Manifest Number 9359582 B. State Generator's ID
5. Transporter 1 Company Name North Florida Waste Management	6. US EPA ID Number		C State Transporter's ID D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number		E. State Transporter's ID F Transporter's Phone
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		G. State Facility ID H State Facility Phone 912.496.7918

GENERATOR	11. Description of Waste Materials	12. Containers No	12. Containers Type	13 Total Quantity	14 Unit Wt /Vol	I Misc. Comments
	a. STABILIZED OWS SEDIMENT W / 60 MIL LINER WM Profile # 411133FL	1	CN	9	Tns	
	b. WM Profile #					
	c. WM Profile #					
	d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16 GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Foreman	Karen Foreman	5	6	20

TRANSPORTER	Printed Name	Signature	Month	Day	Year
17. Transporter 1 Acknowledgement of Receipt of Materials	R David Perkins	R David Perkins	5	6	20
18. Transporter 2 Acknowledgement of Receipt of Materials					

FACILITY	Printed Name	Signature	Month	Day	Year
19 Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above. 20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.					

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 838732

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	NFLWASTEMANGEMENT
Ticket Date	05/06/2020	Vehicle#	3-30
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0002664
State Waste Code		Gen EPA ID	NR
Manifest	9359582	Grid	
Destination			
PO	TOTA-19-0002		
Profile	411133FL (WWTP SLUDGE)		
Generator	114-SJRPP SJRPP		

Volume

	Time	Scale	Operator	Inbound		
In	05/06/2020 16:57:14	Scale 01	csnipes		Gross	51700 lb
Out	05/06/2020 16:57:14		csnipes		Tare	34040 lb
					Net	17660 lb
					Tons	8.83

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	8.83	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No	Manifest Doc No	2. Page 1 of 1	21-299
3. Generator's Mailing Address SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (If different than mailing).		A. Manifest Number	9359581
			B. State Generator's ID	
5. Transporter 1 Company Name North Florida Waste management	6. US EPA ID Number		C State Transporter's ID D Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number		E. State Transporter's ID F Transporter's Phone	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		G. State Facility ID H. State Facility Phone 912.496.7918	

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt./Vol	I Misc. Comments
a. STABILIZED OWS SEDIMENT W / 60 MIL LINER WM Profile # 411133FL	1	CH	7	TNS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Foreman	Karen Foreman	5	7	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
David Pepper		5	7	20

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Cindy Smith		5	8	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 839141

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/08/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9359581
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier NFLWASTEMANGEMENT
Vehicle# 21-299
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/08/2020 10:57:22	Scale 01	csnipes		Gross	46060 lb
Out	05/08/2020 11:20:29	Scale 01	csnipes		Tare	33920 lb
					Net	12140 lb
					Tons	6.07

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Wstwtr Sludge-Tons	100	6.07	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST | 1 Generator's US EPA ID No | Manifest Doc No | 2 Page 1 of 3-300

GENERATOR

3. Generator's Mailing Address
SJRPP
11201 NEW BERLIN ROAD
JACKSONVILLE, FL 32226
4. Generator's Phone
904.665.4795

Generator's Site Address (If different than mailing)

A Manifest Number 9359579

B State Generator's ID

5. Transporter 1 Company Name
North Florida Waste Management

6. US EPA ID Number

C State Transporter's ID

7. Transporter 2 Company Name

8. US EPA ID Number

D Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND LANDFILL
367 CHESSER ISLAND ROAD
FOLKSTON, GA 31537

10. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

G. State Facility ID

H State Facility Phone 912.496.7918

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt /Vol	I Misc Comments
a. STABILIZED OWS SEDIMENT W / 60 MIL LINER WM Profile # 411133FL	1	CA	7	TNS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information
7 Yards of Sand Added

Purchase Order # | EMERGENCY CONTACT / PHONE NO .

16. GENERATOR'S CERTIFICATE
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name: Caren Fenerman | Signature "On behalf of": Caren Fenerman | Month 5 | Day 8 | Year 20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name: X David Peeples | Signature: X | Month 5 | Day 8 | Year 20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name | Signature | Month | Day | Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator. Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name: Denise Johnson | Signature | Month 5 | Day 8 | Year

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 839271

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/08/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9353579
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier NFLWASTEMANGEMENT
Vehicle# 3-300
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound
In	05/08/2020 14:56:25	Scale 1-301	jjohns94	
Out	05/08/2020 15:14:21	Scale 1-301	shooker1	

Gross	49600 lb
Tare	33920 lb
Net	15680 lb
Tons	7.84

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	7.84	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST | 1 Generator's US EPA ID No | Manifest Doc No. | 2. Page 1 of 3-288

3. Generator's Mailing Address
SJRPP
11201 NEW BERLIN ROAD
JACKSONVILLE, FL 32226

Generator's Site Address (if different than mailing)

A. Manifest Number 9359580

B. State Generator's ID

4. Generator's Phone
904.665.4795

5. Transporter 1 Company Name
North Florida Waste Management

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND LANDFILL
367 CHESSER ISLAND ROAD
FOLKSTON, GA 31537

10. US EPA ID Number

G. State Facility ID

H. State Facility Phone 912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt/Vol	I Misc. Comments
a. STABILIZED OWS SEDIMENT W / 60 MIL LINER WM Profile # 411133FL	1	CH	10	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell
Level
Grid

15. Special Handling Instructions and Additional Information
7 CY of Sand and 400 lbs of Cement Added to Mixture

Purchase Order #

EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name Karen Foreman | Signature "On behalf of" Karen Foreman | Month 5 | Day 8 | Year 20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed Name David Peppers | Signature | Month 5 | Day 8 | Year 20

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed Name | Signature | Month | Day | Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.
Printed Name | Signature | Month 5 | Day 8 | Year 20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 839129

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/08/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9359580
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier NFLWASTEMANGEMENT
Vehicle# 3-288
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	54000 lb
In	05/08/2020 10:24:51	Scale 1-301	jjohns94		Tare	33520 lb
Out	05/08/2020 10:40:59	Scale 01	csnipes		Net	20480 lb
					Tons	10.24

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	10.24	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No	Manifest Doc No	2 Page 1 of 1	
3. Generator's Mailing Address SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing)		A Manifest Number 9359574 B State Generator's ID	
5. Transporter 1 Company Name North Florida Waste Mgmt	6 US EPA ID Number		C State Transporter's ID D Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number		E State Transporter's ID F Transporter's Phone	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		G State Facility ID H State Facility Phone 912.496.7918	

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt./Vol.	I Misc. Comments
a. STABILIZED OWS SEDIMENT W / 60 MIL LINER WM Profile # 411133FL	1	CM	19,980	lbs	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K Disposal Location: Cell | Level | Grid

15 Special Handling Instructions and Additional Information

Purchase Order # | EMERGENCY CONTACT / PHONE NO

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described/classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature / On behalf of	Month	Day	Year
Kevin Herring	Kevin Herring	5	9	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials Printed Name	Signature	Month	Day	Year
NFWM waste management David Pepper		5	9	20
18 Transporter 2 Acknowledgement of Receipt of Materials Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Cindy Snyder	Cindy Snyder	5	9	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 839869

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	NFLWASTEMANGEMENT	
Ticket Date	05/09/2020	Vehicle#	3-12	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0002664	
State Waste Code		Gen EPA ID	NR	
Manifest	9359574	Grid		
Destination				
PO	TOTA-19-0002			
Profile	411133FL (WWTP SLUDGE)			
Generator	114-SJRPP SJRPP			

	Time	Scale	Operator	Inbound		
In	05/09/2020 08:58:54	Scale 1-301	csnipes		Gross	54320 lb
Out	05/09/2020 09:31:30	Scale 1-301	csnipes		Tare	36580 lb
					Net	17740 lb
					Tons	8.87

Comments REPLACEMENT TICKET FOR TICKET # 839347

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	8.87	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. Manifest Doc No.	2. Page 1 of United Rental RB3442SRT
3. Generator's Mailing Address SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing):	A. Manifest Number 9359577 B. State Generator's ID
5. Transporter 1 Company Name North Florida Waste Management	6. US EPA ID Number	C. State Transporter's ID D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID F. Transporter's Phone
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number	G. State Facility ID H. State Facility Phone 912.496.7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. STABILIZED OWS SEDIMENT W / 60 MIL LINER WM Profile # 411133FL	1	CN	10	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information
4 CY of Sand that included 188 lbs of cement was added to Roll off

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Foreman	Karen Foreman	5	11	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
X Howe Sykes	X	5	11	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed Name	Signature	Month	Day	Year
Denise Thorson	Denise Thorson	5	12	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 839681

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	NFLWASTEMANGEMENT	
Ticket Date	05/12/2020	Vehicle#	30-10	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0002664	
State Waste Code		Gen EPA ID	NR	
Manifest	9359577	Grid		
Destination				
PO	TOTA-19-0002			
Profile	411133FL (WWTP SLUDGE)			
Generator	114-SJRPP SJRPP			

	Time	Scale	Operator	Inbound		
In	05/12/2020 06:30:10	Scale 1-301	jjohns94		Gross	51280 lb
Out	05/12/2020 06:49:14	Scale 1-301	jjohns94		Tare	31440 lb
					Net	19840 lb
					Tons	9.92

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

Product		LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	9.92	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST 12

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	United Rentals RB48432RT
3. Generator's Mailing Address SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (If different than mailing):		A. Manifest Number	9359578
			B. State Generator's ID	
5. Transporter 1 Company Name North Florida Waste management	6. US EPA ID Number		C. State Transporter's ID	
			D. Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number		E. State Transporter's ID	
			F. Transporter's Phone	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		G. State Facility ID	
			H. State Facility Phone	912.496.7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. STABILIZED OWS SEDIMENT W / 60 MIL LINER WM Profile # 411133FL	1	CY	5	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information
A CY of sand which included 188 lbs of Portland Cement was Added to Roll off

Purchase Order # | EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Peterson	Karen Peterson	5	11	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
X Milton Sykes	X	5	11	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		5	11	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 839546

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/11/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9359578
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier NFLWASTEMANGEMENT
Vehicle# 30-3
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	47360 lb
In	05/11/2020 12:01:42	Scale 01	csnipes		Tare	32000 lb
Out	05/11/2020 12:25:32	Scale 1-301	jjohns94		Net	15360 lb
					Tons	7.68

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	7.68	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	Unused Rows
			1	2

3. Generator's Mailing Address	Generator's Site Address (If different than mailing):	A. Manifest Number	9359576
SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795		B. State Generator's ID	

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID	
North Florida Waste Management		D. Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID	
		F. Transporter's Phone	

9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID	
CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537		H. State Facility Phone	912.496.7918

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. STABILIZED OWS SEDIMENT W / 60 MIL LINER WM Profile # 411133FL	1	CM	11	TNS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Foreman	Karen Foreman	5	12	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
David Peppers		5	12	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		5	12	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY

Blue- GENERATOR #2 COPY

Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY

Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 839760

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/12/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9359576
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier NFLWASTEMANGEMENT
Vehicle# 3-12
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/12/2020 09:05:17	Scale 1-301	jjohns94		Gross	53640 lb
Out	05/12/2020 09:05:17		jjohns94		Tare	36580 lb
					Net	17060 lb
					Tons	8.53

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	8.53	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No / Manifest Doc No	2 Page 1 of	BB47502RT
3. Generator's Mailing Address SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing)	A Manifest Number	9359554
		B State Generator's ID	
5. Transporter 1 Company Name North Florida Waste Management	6. US EPA ID Number	C State Transporter's ID D Transporter's Phone	
7. Transporter 2 Company Name 30-25	8. US EPA ID Number	E State Transporter's ID F Transporter's Phone	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number	G State Facility ID H. State Facility Phone 912.496 7918	

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt /Vol	I Misc Comments
a. STABILIZED OWS SEDIMENT W / 60 MIL LINER WM Profile # 411133FL	1	CN	7	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K Disposal Location			
	Cell		Level	
	Grid			

15 Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations

Printed Name	Signature "On behalf of"	Month	Day	Year
Kieran Forman	Kieran Forman	5	18	20

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
X Michael Sykes	X	5	18	20

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Shanna Hook	S	5	19	2020

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 841235

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	NFLWASTEMANGEMENT	
Ticket Date	05/19/2020	Vehicle#	30-RB47502RT	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0002664	
State Waste Code		Gen EPA ID	NR	
Manifest	9359554	Grid		
Destination				
PO	TOTA-19-0002			
Profile	411133FL (WWTP SLUDGE)			
Generator	114-SJRPP SJRPP			

	Time	Scale	Operator	Inbound		
In	05/19/2020 07:47:54	Scale 01	shooker1		Gross	49960 lb
Out	05/19/2020 08:15:11	Scale 01	csnipes		Tare	32000 lb
					Net	17960 lb
					Tons	8.98

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	8.98	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No	Manifest Doc No	2 Page 1 of	RB 34425

3. Generator's Mailing Address	Generator's Site Address (if different than mailing)	A Manifest Number	9359555
SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795		B State Generator's ID	

5. Transporter 1 Company Name	6. US EPA ID Number	C State Transporter's ID
North florida Waste management		D Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E State Transporter's ID
		F Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	G State Facility ID
CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537		H State Facility Phone 912.496 7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt /Vol	I Misc. Comments
a. STABILIZED OWS SEDIMENT W / 60 MIL LINER WM Profile # 411133FL	1	CN	6	TNS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K Disposal Location			
	Cell		Level	
	Grid			

15 Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.

16 GENERATOR'S CERTIFICATE

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Foreman	Karen Foreman	5	18	20

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials				
Printed Name	Signature	Month	Day	Year
Alton Sykes	X	5	18	20
18 Transporter 2 Acknowledgement of Receipt of Materials				
Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Linda Johnson	Linda Johnson	5	18	20

White TREATMENT, STORAGE, DISPOSAL FACILITY COPY

Blue- GENERATOR #2 COPY

Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY

Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 841048

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	NFLWASTEMANGEMENT	
Ticket Date	05/18/2020	Vehicle#	30-RB34425RT	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0002664	
State Waste Code		Gen EPA ID	NR	
Manifest	9359555	Grid		
Destination				
PO	TOTA-19-0002			
Profile	411133FL (WWTP SLUDGE)			
Generator	114-SJRPP SJRPP			

	Time	Scale	Operator	Inbound		
In	05/18/2020 11:22:12	Scale 1-301	jjohns94		Gross	48100 lb
Out	05/18/2020 11:59:34	Scale 01	csnipes		Tare	31460 lb
					Net	16640 lb
					Tons	8.32

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Wstwtr Sludge-Tons	100	8.32	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No	Manifest Doc No	2 Page 1 of	
3. Generator's Mailing Address SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (If different than mailing)		A. Manifest Number	48436 9359550
			B State Generator's ID	
5. Transporter 1 Company Name North Florida Waste Management	6. US EPA ID Number		C State Transporter's ID	
7. Transporter 2 Company Name	8. US EPA ID Number		D. Transporter's Phone E State Transporter's ID	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		F. Transporter's Phone G State Facility ID H. State Facility Phone 912.496.7918	

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt /Vol	I Misc Comments
a. STABILIZED OWS SEDIMENT W / 60 MIL LINER WM Profile # 411133FL	1	CN	9	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K Disposal Location			
	Cell		Level	
	Grid			

15 Special Handling Instructions and Additional Information
5 CY of SAND including 188 lbs of Cement was Added to Roll OFF CAN

Purchase Order # EMERGENCY CONTACT / PHONE NO.

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations

Printed Name	Signature "On behalf of"	Month	Day	Year
Carol Fincher	Carol Fincher	5	19	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
X David Jeffers	X	5	19	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest

Printed Name	Signature	Month	Day	Year
Mike Thorson		5	20	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 841583

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	NFLWASTEMANGEMENT
Ticket Date	05/20/2020	Vehicle#	30-48436
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0002664
State Waste Code		Gen EPA ID	NR
Manifest	9359550	Grid	
Destination			
PO	TOTA-19-0002		
Profile	411133FL (WWTP SLUDGE)		
Generator	114-SJRPP SJRPP		

Volume

	Time	Scale	Operator	Inbound		
In	05/20/2020 09:29:00	Scale 1-301	jjohns94		Gross	53200 lb
Out	05/20/2020 09:54:02	Scale 01	csnipes		Tare	31460 lb
					Net	21740 lb
					Tons	10.87

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	10.87	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No	Manifest Doc No	2 Page 1 of	33418
3. Generator's Mailing Address SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (If different than mailing)		A Manifest Number	9359551
			B State Generator's ID	
5. Transporter 1 Company Name North Florida Waste Management	6. US EPA ID Number		C State Transporter's ID D Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number		E. State Transporter's ID F Transporter's Phone	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		G State Facility ID H. State Facility Phone 912.496.7918	

GENERATOR	11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt /Vol	I Misc. Comments
	a. STABILIZED OWS SEDIMENT W / 60 MIL LINER WM Profile # 411133FL	1	CN	10	TNS	
	b. WM Profile #					
	c. WM Profile #					
	d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15 Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO :

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Hutson	Karen Hutson	5	19	20

TRANSPORTER	17 Transporter 1 Acknowledgement of Receipt of Materials				
	Printed Name	Signature	Month	Day	Year
	Tracy L. Peacock	Tracy L. Peacock	5	19	20
	18 Transporter 2 Acknowledgement of Receipt of Materials				
	Printed Name	Signature	Month	Day	Year

FACILITY	19 Certificate of Final Treatment/Disposal				
	I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.				
	20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest				
	Printed Name	Signature	Month	Day	Year
			5	19	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

WASTE MANAGEMENT

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Original
Ticket# 841776

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/19/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9359551
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier NFLWASTEMANGEMENT
Vehicle# 21-299
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/19/2020 16:11:20	Scale 01	csnipes		Gross	56140 lb
Out	05/19/2020 16:11:20		csnipes		Tare	33920 lb
					Net	22220 lb
					Tons	11.11

Comments REPLACEMENT TICKET FOR TICKET # 841475

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	11.11	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No. / Manifest Doc No	2 Page 1 of 3	RB34425 LT
3. Generator's Mailing Address SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing)	A Manifest Number	9359552
		B State Generator's ID	
5. Transporter 1 Company Name: North Florida Waste Management	6. US EPA ID Number	C State Transporter's ID	
		D Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number	E State Transporter's ID	
		F Transporter's Phone	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number	G. State Facility ID	
		H. State Facility Phone	912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt /Vol	I Misc Comments
a. STABILIZED OWS SEDIMENT W / 60 MIL LINER WM Profile # 411133FL	1	CN	12	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information
5 CY of SAND that includes 188lbs of Cement WAS Added to roll off can

Purchase Order # | EMERGENCY CONTACT / PHONE NO.

16 GENERATOR'S CERTIFICATE

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Foreman	Karen Foreman	5	19	26

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
X David Peffers	X	5	19	26

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest

Printed Name	Signature	Month	Day	Year
		5	19	26

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 841334

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	NFLWASTEMANGEMENT	
Ticket Date	05/19/2020	Vehicle#	30-RB34425RT	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0002664	
State Waste Code		Gen EPA ID	NR	
Manifest	9359552	Grid		
Destination				
PO	TOTA-19-0002			
Profile	411133FL (WWTP SLUDGE)			
Generator	114-SJRPP SJRPP			

	Time	Scale	Operator	Inbound		
In	05/19/2020 11:33:38	Scale 01	csnipes		Gross	55300 lb
Out	05/19/2020 11:33:38		csnipes		Tare	31460 lb
					Net	23840 lb
					Tons	11.92

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	11.92	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No	Manifest Doc No	2 Page 1 of	RBA0534RT

3. Generator's Mailing Address	Generator's Site Address (If different than mailing)	A Manifest Number	9359553
SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904 665.4795		B State Generator's ID	

5. Transporter 1 Company Name	6. US EPA ID Number	C State Transporter's ID
North Florida Waste Management		D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	G State Facility ID	H. State Facility Phone
CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537			912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt /Vol	I Misc. Comments
a. STABILIZED OWS SEDIMENT W / 60 MIL LINER WM Profile # 411133FL	1	CN	11	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K Disposal Location			
	Cell		Level	
	Grid			

15 Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO

16. GENERATOR'S CERTIFICATE

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Forrester	Karen Forrester	5	19	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed Name	Signature	Month	Day	Year
Darryl Deasaw	Darryl Deasaw	5	19	20
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed Name	Signature	Month	Day	Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator Certification of receipt of non-hazardous materials covered by this manifest

Printed Name	Signature	Month	Day	Year
Kendall Jones	Kendall Jones	5	19	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 841339

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/19/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9359553
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier NFLWASTEMANGEMENT
Vehicle# 21-RB40534RT
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound
In	05/19/2020 11:38:12	Scale 1-301	jjohns94	
Out	05/19/2020 12:28:24	Scale 1-301	jjohns94	

Gross	54760 lb
Tare	36260 lb
Net	18500 lb
Tons	9.25

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	9.25	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST 30-12

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No	Manifest Doc No	2 Page 1 of	48432

3. Generator's Mailing Address	Generator's Site Address (If different than mailing)	A Manifest Number	9359547
SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795		B. State Generator's ID	

5. Transporter 1 Company Name	6. US EPA ID Number	C State Transporter's ID
North Florida Waste Management		D Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E State Transporter's ID
		F Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	G State Facility ID
CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537		H State Facility Phone 912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt /Vol	I Misc. Comments
a. STABILIZED OWS SEDIMENT W / 60 MIL LINER WM Profile # 411133FL	1	CN	9	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On Behalf of"	Month	Day	Year
Karen Forenon	Karen Forenon	5	20	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
David Peppers		5	20	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		5	20	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 841694

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	NFLWASTEMANGEMENT		
Ticket Date	05/20/2020	Vehicle#	30-12	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver			
Hauling Ticket#		Check#			
Route		Billing #	0002664		
State Waste Code		Gen EPA ID	NR		
Manifest	9359547	Grid			
Destination					
PO	TOTA-19-0002				
Profile	411133FL (WWTP SLUDGE)				
Generator	114-SJRPP SJRPP				

	Time	Scale	Operator	Inbound		
In	05/20/2020 13:12:59	Scale 1-301	jjohns94		Gross	48960 lb
Out	05/20/2020 13:12:59		jjohns94		Tare	31400 lb
					Net	17560 lb
					Tons	8.78

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	8.78	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No	Manifest Doc No	2 Page 1 of	47502
3. Generator's Mailing Address SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing).		A Manifest Number	9359548
			B State Generator's ID	
5. Transporter 1 Company Name North Florida Waste management	6. US EPA ID Number		C State Transporter's ID D. Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number		E. State Transporter's ID F. Transporter's Phone	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		G State Facility ID H. State Facility Phone 912.496.7918	

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt./Vol	I. Misc. Comments
a. STABILIZED OWS SEDIMENT W / 60 MIL LINER WM Profile # 411133FL	1	CN	11	TNS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Haverman	Karen Haverman	5	20	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Thomas Boswell	Thomas Boswell	5	20	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		5	20	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 841781

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/20/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9359548
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier NFLWASTEMANGEMENT
Vehicle# 214750
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/20/2020 16:42:38	Scale 01	csnipes		Gross	54220 lb
Out	05/20/2020 16:42:38		csnipes		Tare	36920 lb
					Net	17300 lb
					Tons	8.65

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons 100		8.65	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No. Manifest Doc No	2 Page 1 of	46177
		A Manifest Number	9359549
3. Generator's Mailing Address SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (If different than mailing)	TRUCK 30 B State Generator's ID CAN 12	
5. Transporter 1 Company Name North Florida Waste management	6. US EPA ID Number	C. State Transporter's ID D. Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number	E State Transporter's ID F Transporter's Phone	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number	G State Facility ID H. State Facility Phone 912.496.7918	

	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt /Vol	I Misc Comments
GENERATOR 11. Description of Waste Materials a. STABILIZED OWS SEDIMENT W / 60 MIL LINER WM Profile # 411133FL	1	CN	7.5	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K Disposal Location: Cell | Level | Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE.
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Coren Foreman	Coren Foreman	5	20	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
David Peppers		5	20	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		5	20	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 841905

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	NFLWASTEMANGEMENT	
Ticket Date	05/21/2020	Vehicle#	30-12	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0002664	
State Waste Code		Gen EPA ID	NR	
Manifest	9359549	Grid		
Destination				
PO	TOTA-19-0002			
Profile	411133FL (WWTP SLUDGE)			
Generator	114-SJRPP SJRPP			

	Time	Scale	Operator	Inbound		
In	05/21/2020 10:32:45	Scale 1-301	jjohns94		Gross	51120 lb
Out	05/21/2020 10:32:45		jjohns94		Tare	31400 lb
					Net	19720 lb
					Tons	9.86

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons 100		9.86	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

Appendix E
Oily Waste Basins Closure Disposal Documents
Below Liner Soil

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No	Manifest Doc No	2 Page 1 of	141

3. Generator's Mailing Address:	Generator's Site Address (if different than mailing)	A Manifest Number	9413723
SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795		B State Generator's ID	

5. Transporter 1 Company Name	6. US EPA ID Number	C State Transporter's ID
Garmon Trucking		D Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E State Transporter's ID
		F. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID
CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537		H. State Facility Phone 912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt./Vol	I Misc Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	17	TNS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15 Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO..

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Freeman	Karen Freeman	5	22	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Allen M. Miller	Allen M. Miller	5	22	20

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed Name	Signature	Month	Day	Year
Shanna Hooks		5	22	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY Blue- GENERATOR #2 COPY Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842333

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	GARMON GARMON	
Ticket Date	05/22/2020	Vehicle#	141	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0002664	
State Waste Code		Gen EPA ID	NR	
Manifest	9413723	Grid		
Destination				
PO	TOTA-19-0002			
Profile	411133FL (WWTP SLUDGE)			
Generator	114-SJRPP SJRPP			

	Time	Scale	Operator	Inbound		
In	05/22/2020 15:25:28	Scale 1-301	shooker1		Gross	61080 lb
Out	05/22/2020 15:25:28		shooker1		Tare	27120 lb
					Net	33960 lb
					Tons	16.98

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	16.98	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No	Manifest Doc No	2. Page 1 of	G078

3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (If different than mailing).	A. Manifest Number 9413724
		B. State Generator's ID

5. Transporter 1 Company Name: Garmon Trucking	6. US EPA ID Number	C State Transporter's ID
		D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address: CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number	G. State Facility ID
		H State Facility Phone 912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt./Vol	I Misc Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	18	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Foreman	Karen Foreman	5	22	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Brian Lambert	X	5	22	20

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed Name	Signature	Month	Day	Year
Shanna Hanks		5	22	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY

Blue- GENERATOR #2 COPY

Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY

Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842338

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/22/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9413724
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier GARMON GARMON
Vehicle# G078
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/22/2020 15:35:17	Scale 1-301	shooker1		Gross	61860 lb
Out	05/22/2020 15:35:17		shooker1		Tare	26400 lb
					Net	35460 lb
					Tons	17.73

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	17.73	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No.	Manifest Doc No.	2 Page 1 of	G077
3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing)		A Manifest Number	9413725
			B State Generator's ID	
5. Transporter 1 Company Name: Garmon Trucking	6. US EPA ID Number		C. State Transporter's ID	
			D Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number		E. State Transporter's ID	
			F. Transporter's Phone	
9. Designated Facility Name and Site Address: CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		G. State Facility ID	
			H. State Facility Phone	912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt./Vol	I Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	15	TNS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Farahan	Karen Farahan	5	22	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed Name: X Joe Probst	Signature: X Joe Probst	Month: 5	Day: 22	Year: 20
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Shonna Hoole		5	22	2020

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842342

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	GARMON GARMON		
Ticket Date	05/22/2020	Vehicle#	g077	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver			
Hauling Ticket#		Check#			
Route		Billing #	0002664		
State Waste Code		Gen EPA ID	NR		
Manifest	9413725	Grid			
Destination					
PO	TOTA-19-0002				
Profile	411133FL (WWTP SLUDGE)				
Generator	114-SJRPP SJRPP				

	Time	Scale	Operator	Inbound		
In	05/22/2020 15:44:36	Scale 1-301	shooker1		Gross	57620 lb
Out	05/22/2020 15:44:36		shooker1		Tare	26320 lb
					Net	31300 lb
					Tons	15.65

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	15.65	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No	Manifest Doc No.	2 Page 1 of	61913
3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing)		A Manifest Number	9413726
			B. State Generator's ID	
5. Transporter 1 Company Name: Garmon Trucking	6. US EPA ID Number		C State Transporter's ID	
			D. Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number		E. State Transporter's ID	
			F. Transporter's Phone	
9. Designated Facility Name and Site Address: CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		G. State Facility ID	
			H. State Facility Phone	912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13. Total Quantity	14. Unit Wt./Vol	I. Misc Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	17	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Caleb Tuscan		5	22	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
X Chris Errazuriz	X	5	22	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator. Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Shanna Hooker		5	22	2020

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842344

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/22/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9413726
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier GARMON GARMON
Vehicle# G1913
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/22/2020 15:47:14	Scale 1-301	shooker1		Gross	60640 lb
Out	05/22/2020 15:47:14		shooker1		Tare	26460 lb
					Net	34180 lb
					Tons	17.09

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	17.09	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. / Manifest Doc No	2 Page 1 of	G075
3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing).	A. Manifest Number	9413727
		B State Generator's ID	
5. Transporter 1 Company Name Garmon Trucking	6. US EPA ID Number	C. State Transporter's ID	
		D Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number	E State Transporter's ID	
		F. Transporter's Phone	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number	G. State Facility ID	
		H. State Facility Phone	912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt./Vol	I Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	18	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15 Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO :

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Foreman	Karen Foreman	5	22	20

TRANSPORTER

17 Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Neal Sniders	X	5	22	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed Name	Signature	Month	Day	Year
Manne Hurke		5	22	2020

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842340

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/22/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9413727
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier GARMON GARMON
Vehicle# g075
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/22/2020 15:40:02	Scale 1-301	shooker1		Gross	61780 lb
Out	05/22/2020 15:40:02		shooker1		Tare	26300 lb
					Net	35480 lb
					Tons	17.74

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	17.74	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No	Manifest Doc No	2 Page 1 of	6077

3. Generator's Mailing Address:	Generator's Site Address (if different than mailing)	A. Manifest Number	9413728
SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795		B State Generator's ID	

5. Transporter 1 Company Name	6. US EPA ID Number	C State Transporter's ID	
Garmon Trucking		D Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID	
		F Transporter's Phone	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number	G State Facility ID	
		H State Facility Phone	912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt /Vol	I Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	18	TNS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15 Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO :

16 GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Foreman	Karen Foreman	5	22	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed Name	Signature	Month	Day	Year
X Joe Probst	X	5	22	20
18 Transporter 2 Acknowledgement of Receipt of Materials				
Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20 Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Neil Thrasher		5	22	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842262

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/22/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9413728
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier GARMON GARMON
Vehicle# g077
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound
In	05/22/2020 12:42:12	Scale 1-301	jjohns94	
Out	05/22/2020 12:57:25	Scale 01	csnipes	

Gross	62380 lb
Tare	26320 lb
Net	36060 lb
Tons	18.03

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	18.03	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No. / Manifest Doc No	2 Page 1 of	G078

3. Generator's Mailing Address:	Generator's Site Address (if different than mailing)	A Manifest Number	9413729
SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795		B State Generator's ID	

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
GARMEN TRUCKING		D Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID
CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537		H State Facility Phone 912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt /Vol	I Misc Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	20	TNS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Fulcher	Karen Fulcher	5	22	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
X Brian Lambert	X	5	22	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19 Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		5	22	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842243

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/22/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9413729
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier GARMON GARMON
Vehicle# G078
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/22/2020 12:09:59	Scale 1-301	jjohns94		Gross	65980 lb
Out	05/22/2020 12:26:56	Scale 01	csnipes		Tare	26400 lb
					Net	39580 lb
					Tons	19.79

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	19.79	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No	Manifest Doc No.	2 Page 1 of	G1913

3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (If different than mailing)	A Manifest Number 9413730 / B State Generator's ID
5. Transporter 1 Company Name: Garmon Trucking	6. US EPA ID Number	C State Transporter's ID / D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E State Transporter's ID / F Transporter's Phone
9. Designated Facility Name and Site Address: CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number	G. State Facility ID / H State Facility Phone 912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt./Vol	I Misc Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	17	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location: Cell / Level / Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.

16 GENERATOR'S CERTIFICATE.

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Hartman	Karen Hartman	5	22	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
X Chris Errazuriz	X	5	22	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Chris Thrasher		5	22	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #2 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842248

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	GARMON GARMON	
Ticket Date	05/22/2020	Vehicle#	G1913	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0002664	
State Waste Code		Gen EPA ID	NR	
Manifest	9413730	Grid		
Destination				
PO	TOTA-19-0002			
Profile	411133FL (WWTP SLUDGE)			
Generator	114-SJRPP SJRPP			

	Time	Scale	Operator	Inbound		
In	05/22/2020 12:16:18	Scale 1-301	jjohns94		Gross	60340 lb
Out	05/22/2020 12:31:48	Scale 01	csnipes		Tare	26460 lb
					Net	33880 lb
					Tons	16.94

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	16.94	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No.	Manifest Doc No	2 Page 1 of	6075

3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing)	A. Manifest Number 9413731 / B State Generator's ID
5. Transporter 1 Company Name: Garmon Trucking	6. US EPA ID Number	C State Transporter's ID / D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E State Transporter's ID / F Transporter's Phone
9. Designated Facility Name and Site Address: CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number	G State Facility ID / H. State Facility Phone 912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt /Vol	I Misc Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	16	TNS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # | EMERGENCY CONTACT / PHONE NO

16. GENERATOR'S CERTIFICATE

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Caren Torrence	Caren Torrence	5	22	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
X NEAL SNIPES	X	5	22	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Denise Johnson	Denise Johnson	5	22	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842246

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/22/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9413731
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier GARMON GARMON
Vehicle# g075
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	58620 lb
In	05/22/2020 12:14:12	Scale 1-301	jjohns94		Tare	26300 lb
Out	05/22/2020 12:28:35	Scale 01	csnipes		Net	32320 lb
					Tons	16.16

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	16.16	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. / Manifest Doc No	2. Page 1 of	141
3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (If different than mailing)	A Manifest Number	9413732
		B State Generator's ID	
5. Transporter 1 Company Name Garmon Trucking	6. US EPA ID Number	C. State Transporter's ID D. Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number	E State Transporter's ID F. Transporter's Phone	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number	G. State Facility ID H. State Facility Phone 912.496.7918	

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt /Vol	I Misc Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	15	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Haverman	Karen Haverman	5	22	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed Name	Signature	Month	Day	Year
Allen M. Miller	Allen M. Miller	5	22	20
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator. Certification of receipt of non-hazardous materials covered by this manifest

Printed Name	Signature	Month	Day	Year
Denise Johnson	Denise Johnson	5	22	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842244

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	GARMON GARMON
Ticket Date	05/22/2020	Vehicle#	141
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0002664
State Waste Code		Gen EPA ID	NR
Manifest	9413732	Grid	
Destination			
PO	TOTA-19-0002		
Profile	411133FL (WWTP SLUDGE)		
Generator	114-SJRPP SJRPP		

Volume

	Time	Scale	Operator	Inbound		
In	05/22/2020 12:12:06	Scale 1-301	jjohns94		Gross	56320 lb
Out	05/22/2020 12:30:23	Scale 01	csnipes		Tare	27120 lb
					Net	29200 lb
					Tons	14.60

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	14.60	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No	Manifest Doc No	2 Page 1 of	
				G077

3. Generator's Mailing Address:
SJRPP
11201 NEW BERLIN ROAD
JACKSONVILLE, FL 32226

4. Generator's Phone
904.665.4795

Generator's Site Address (If different than mailing)

A Manifest Number: 9413706

B State Generator's ID:

5. Transporter 1 Company Name
GATMON Trucking

6. US EPA ID Number:

C. State Transporter's ID:

7. Transporter 2 Company Name

8. US EPA ID Number:

D Transporter's Phone:

E State Transporter's ID:

9. Designated Facility Name and Site Address
CHESSER ISLAND LANDFILL
367 CHESSER ISLAND ROAD
FOLKSTON, GA 31537

10. US EPA ID Number:

F Transporter's Phone:

G State Facility ID:

H. State Facility Phone: 912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt /Vol	Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	17	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information

Purchase Order # | EMERGENCY CONTACT / PHONE NO.

16. GENERATOR'S CERTIFICATE

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Mixon	Karen Mixon	5	26	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
X Joe Probst	X Joe Probst	5	26	20

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed Name	Signature	Month	Day	Year
[illegible]	[illegible]	5	26	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842713

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/26/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9413706
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier GARMON GARMON
Vehicle# g077
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/26/2020 14:58:07	Scale 1-301	jjohns94		Gross	60040 lb
Out	05/26/2020 14:58:07		jjohns94		Tare	26320 lb
					Net	33720 lb
					Tons	16.86

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	16.86	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	141
3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing).		A. Manifest Number	9413707
			B State Generator's ID	
5. Transporter 1 Company Name: Garmon Trucking	6. US EPA ID Number		C. State Transporter's ID	
7. Transporter 2 Company Name	8. US EPA ID Number		D. Transporter's Phone E. State Transporter's ID	
9. Designated Facility Name and Site Address: CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		F. Transporter's Phone G. State Facility ID H. State Facility Phone 912.496.7918	

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt./Vol	I. Misc Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	16	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Foreman	Karen Foreman	5	26	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Alex M. Miller	Alex M. Miller	5	26	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		5	26	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842732

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	GARMON GARMON
Ticket Date	05/26/2020	Vehicle#	141
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0002664
State Waste Code		Gen EPA ID	NR
Manifest	9413707	Grid	
Destination			
PO	TOTA-19-0002		
Profile	411133FL (WWTP SLUDGE)		
Generator	114-SJRPP SJRPP		

Volume

	Time	Scale	Operator	Inbound		
In	05/26/2020 15:39:51	Scale 01	csnipes		Gross	60000 lb
Out	05/26/2020 15:39:51		csnipes		Tare	27120 lb
					Net	32880 lb
					Tons	16.44

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons 100		16.44	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No. Manifest Doc No.	2. Page 1 of	G078
3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing):	A. Manifest Number	9413708
		B. State Generator's ID	
5. Transporter 1 Company Name GArmons Trucking	6. US EPA ID Number	C. State Transporter's ID D. Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID F. Transporter's Phone	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number	G. State Facility ID H. State Facility Phone 912.496.7918	

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt./Vol.	I Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	17	TNS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Foreman	Karen Foreman	5	26	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Brian Lambert	Brian Lambert	5	26	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		5	26	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY Blue- GENERATOR #2 COPY Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842734

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	GARMON GARMON
Ticket Date	05/26/2020	Vehicle#	G078
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0002664
State Waste Code		Gen EPA ID	NR
Manifest	9413708	Grid	
Destination			
PO	TOTA-19-0002		
Profile	411133FL (WWTP SLUDGE)		
Generator	114-SJRPP SJRPP		

Volume

	Time	Scale	Operator	Inbound		
In	05/26/2020 15:44:23	Scale 01	csnipes		Gross	60480 lb
Out	05/26/2020 15:44:23		csnipes		Tare	26400 lb
					Net	34080 lb
					Tons	17.04

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	17.04	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No	Manifest Doc No.	2 Page 1 of	G075
3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing)		A Manifest Number	9413709
			B State Generator's ID	
5. Transporter 1 Company Name: Garmons Trucking	6. US EPA ID Number		C State Transporter's ID	
			D. Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number		E. State Transporter's ID	
			F Transporter's Phone	
9. Designated Facility Name and Site Address: CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		G. State Facility ID	
			H State Facility Phone	912.496.7918

GENERATOR

11. Description of Waste Materials	12. Containers No	12. Containers Type	13. Total Quantity	14 Unit Wt /Vol	I Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	14	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # | EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Harrison	Karen Harrison	5	26	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
		5	26	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Cecil Snipes				

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Shanna Hook		5	26	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842735

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/26/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9413709
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier GARMON GARMON
Vehicle# g075
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/26/2020 15:44:38	Scale 1-301	shooker1		Gross	54100 lb
Out	05/26/2020 15:44:38		shooker1		Tare	26300 lb
					Net	27800 lb
					Tons	13.90

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	13.90	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No / Manifest Doc No.	2 Page 1 of	G1913
3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing)	A Manifest Number	9413710
		B. State Generator's ID	
5. Transporter 1 Company Name: Garmon Trucking	6. US EPA ID Number	C. State Transporter's ID	
7. Transporter 2 Company Name	8. US EPA ID Number	D Transporter's Phone	
		E. State Transporter's ID	
9. Designated Facility Name and Site Address: CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number	F Transporter's Phone	
		G. State Facility ID	
		H. State Facility Phone	912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt./Vol	I. Misc Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	16	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature / On behalf of	Month	Day	Year
Karen Foreman	Karen Foreman	5	26	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Terrance Sleneker		5	26	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		5	26	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842741

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/26/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9413710
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier GARMON GARMON
Vehicle# G1913
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/26/2020 16:08:49	Scale 01	csnipes		Gross	58520 lb
Out	05/26/2020 16:08:49		csnipes		Tare	26460 lb
					Net	32060 lb
					Tons	16.03

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	16.03	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	G19B
3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing).		A Manifest Number	9413711
			B State Generator's ID	
5. Transporter 1 Company Name Garmon Trucking	6. US EPA ID Number		C State Transporter's ID D. Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number		E. State Transporter's ID F Transporter's Phone	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		G. State Facility ID H. State Facility Phone 912.496.7918	

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt /Vol	I. Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	17	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.

16. GENERATOR'S CERTIFICATE

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Forrence	Karen Forrence	5	26	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Terence Slonaker		5	26	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Robert Shroud		5	26	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842667

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	GARMON GARMON		
Ticket Date	05/26/2020	Vehicle#	G1913	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver			
Hauling Ticket#		Check#			
Route		Billing #	0002664		
State Waste Code		Gen EPA ID	NR		
Manifest	9413711	Grid			
Destination					
PO	TOTA-19-0002				
Profile	411133FL (WWTP SLUDGE)				
Generator	114-SJRPP SJRPP				

	Time	Scale	Operator	Inbound	Gross	60260 lb
In	05/26/2020 12:59:04	Scale 1-301	jjohns94		Tare	26460 lb
Out	05/26/2020 12:59:04		jjohns94		Net	33800 lb
					Tons	16.90

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	16.90	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No	Manifest Doc No	2 Page 1 of	G078

3. Generator's Mailing Address:	Generator's Site Address (if different than mailing)	A. Manifest Number	9413712
SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795		B. State Generator's ID	

5. Transporter 1 Company Name	6. US EPA ID Number	C State Transporter's ID
Garmon Trucking		D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID
CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537		H. State Facility Phone 912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt./Vol.	I Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	15	TNS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Fortner	Karen Fortner	5	26	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
V. Brian Lambert	V. Brian Lambert	5	26	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest

Printed Name	Signature	Month	Day	Year
Chesser Island	Chesser Island	5	26	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842575

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	GARMON GARMON
Ticket Date	05/26/2020	Vehicle#	G078
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0002664
State Waste Code		Gen EPA ID	NR
Manifest	9413712	Grid	
Destination			
PO	TOTA-19-0002		
Profile	411133FL (WWTP SLUDGE)		
Generator	114-SJRPP SJRPP		

Volume

	Time	Scale	Operator	Inbound		
In	05/26/2020 09:33:14	Scale 1-301	jjohns94		Gross	56700 lb
Out	05/26/2020 09:33:14		jjohns94		Tare	26400 lb
					Net	30300 lb
					Tons	15.15

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	15.15	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	G075

3. Generator's Mailing Address:	Generator's Site Address (If different than mailing)	A Manifest Number	9413713
SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795		B. State Generator's ID	

5. Transporter 1 Company Name	6. US EPA ID Number	C State Transporter's ID
Garmon Trucking		D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E State Transporter's ID
		F. Transporter's Phone
9. Designated Facility Name and Site Address	10. US EPA ID Number	G State Facility ID
CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537		H. State Facility Phone 912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt /Vol	I Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	17	TNS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Foreman	Karen Foreman	5	26	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Cecil Snipes		5	26	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Cecil Snipes		5	26	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842666

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/26/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9413713
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier GARMON GARMON
Vehicle# g075
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/26/2020 12:57:25	Scale 01	csnipes		Gross	60360 lb
Out	05/26/2020 12:57:25		csnipes		Tare	26300 lb
					Net	34060 lb
					Tons	17.03

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	17.03	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	CAN 305
3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing)		A Manifest Number	9413714
			B State Generator's ID	
5. Transporter 1 Company Name North Florida Waste Management	6. US EPA ID Number		C. State Transporter's ID D. Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number		E. State Transporter's ID F. Transporter's Phone	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		G. State Facility ID H. State Facility Phone 912.496.7918	

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13. Total Quantity	14. Unit Wt /Vol	I. Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	CN	5	TNS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Laverman	Karen Laverman	5	26	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed Name	Signature	Month	Day	Year
David Jeffries		5	26	20
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Nick Thrax		5	26	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842600

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	NFLWASTEMANGEMENT
Ticket Date	05/26/2020	Vehicle#	30-305
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0002664
State Waste Code		Gen EPA ID	NR
Manifest	9413714	Grid	
Destination			
PO	TOTA-19-0002		
Profile	411133FL (WWTP SLUDGE)		
Generator	114-SJRPP SJRPP		

Volume

	Time	Scale	Operator	Inbound		
In	05/26/2020 10:31:43	Scale 1-301	jjohns94		Gross	41880 lb
Out	05/26/2020 10:49:21	Scale 1-301	shooker1		Tare	30520 lb
					Net	11360 lb
					Tons	5.68

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	5.68	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No.	Manifest Doc No	2. Page 1 of	G077
3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing)		A Manifest Number	9413716
			B. State Generator's ID	
5. Transporter 1 Company Name: Garmon Trucking	6. US EPA ID Number		C State Transporter's ID	
			D. Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number		E. State Transporter's ID	
			F. Transporter's Phone	
9. Designated Facility Name and Site Address: CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		G. State Facility ID	
			H. State Facility Phone	912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt /Vol.	I Misc Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	19	TNS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Foreman	Karen Foreman	5	26	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
X Don Probst	X	5	26	20

18 Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Denise Johnson		5	26	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842636

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/26/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9413716
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier GARMON GARMON
Vehicle# g077
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/26/2020 12:03:21	Scale 1-301	jjohns94		Gross	64640 lb
Out	05/26/2020 12:03:21		jjohns94		Tare	26320 lb
					Net	38320 lb
					Tons	19.16

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	19.16	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	1 of 1
3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing).		A. Manifest Number	9413717
			B. State Generator's ID	
5. Transporter 1 Company Name Garman Trucking	6. US EPA ID Number		C. State Transporter's ID	
7. Transporter 2 Company Name	8. US EPA ID Number		D. Transporter's Phone E. State Transporter's ID	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		F. Transporter's Phone G. State Facility ID H. State Facility Phone 912.496.7918	

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14. Unit Wt./Vol	I Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	19	TNS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Dave Hansman		5	26	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Allen M. Miller		5	26	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above-listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		5	26	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842653

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/26/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9413717
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier GARMON GARMON
Vehicle# 141
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/26/2020 12:35:45	Scale 01	csnipes		Gross	64280 lb
Out	05/26/2020 12:35:45		csnipes		Tare	27120 lb
					Net	37160 lb
					Tons	18.58

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	18.58	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	6078
3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing):		A. Manifest Number	9413718
			B. State Generator's ID	
5. Transporter 1 Company Name Garmon Trucking	6. US EPA ID Number		C. State Transporter's ID	
			D. Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number		E. State Transporter's ID	
			F. Transporter's Phone	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		G. State Facility ID	
			H. State Facility Phone	912.496.7918

GENERATOR	11. Description of Waste Materials	12. Containers No.	12. Containers Type	13 Total Quantity	14 Unit Wt /Vol	I. Misc. Comments
	a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	14	TNS	
	b. WM Profile #					
	c. WM Profile #					
	d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO..

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Fatemon	Karen Fatemon	5	26	20

TRANSPORTER	17. Transporter 1 Acknowledgement of Receipt of Materials				
	Printed Name	Signature	Month	Day	Year
	Brian Lambert	Brian Lambert	5	26	20
	18. Transporter 2 Acknowledgement of Receipt of Materials				
	Printed Name	Signature	Month	Day	Year

FACILITY	19. Certificate of Final Treatment/Disposal				
	I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.				
	20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.				
	Printed Name	Signature	Month	Day	Year
			5	26	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842657

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	GARMON GARMON	
Ticket Date	05/26/2020	Vehicle#	G078	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0002664	
State Waste Code		Gen EPA ID	NR	
Manifest	9413718	Grid		
Destination				
PO	TOTA-19-0002			
Profile	411133FL (WWTP SLUDGE)			
Generator	114-SJRPP SJRPP			

	Time	Scale	Operator	Inbound		
In	05/26/2020 12:41:14	Scale 01	csnipes		Gross	55100 lb
Out	05/26/2020 12:41:14		csnipes		Tare	26400 lb
					Net	28700 lb
					Tons	14.35

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	14.35	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No	Manifest Doc No.	2. Page 1 of	G/9/3
3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (If different than mailing)		A. Manifest Number	9413719
			B. State Generator's ID	
5. Transporter 1 Company Name GARMON TRUCKING	6. US EPA ID Number		C State Transporter's ID D. Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number		E. State Transporter's ID F. Transporter's Phone	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		G. State Facility ID H. State Facility Phone 912.496.7918	

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt./Vol	I Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	18	TNS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Forcivan	Karen Forcivan	5	26	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Terence Slonaker		5	26	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Daniel Johnson	Daniel Johnson	5	26	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842585

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	GARMON GARMON		
Ticket Date	05/26/2020	Vehicle#	G1913	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver			
Hauling Ticket#		Check#			
Route		Billing #	0002664		
State Waste Code		Gen EPA ID	NR		
Manifest	9413719	Grid			
Destination					
PO	TOTA-19-0002				
Profile	411133FL (WWTP SLUDGE)				
Generator	114-SJRPP SJRPP				

	Time	Scale	Operator	Inbound		
In	05/26/2020 09:56:19	Scale 1-301	jjohns94		Gross	63440 lb
Out	05/26/2020 09:56:19		jjohns94		Tare	26460 lb
					Net	36980 lb
					Tons	18.49

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	18.49	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2 Page 1 of	G675
3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing)		A. Manifest Number	9413720
			B. State Generator's ID	
5. Transporter 1 Company Name Garman Trucking	6. US EPA ID Number		C. State Transporter's ID	
7. Transporter 2 Company Name	8. US EPA ID Number		D. Transporter's Phone	
			E. State Transporter's ID	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		F. Transporter's Phone	
			G. State Facility ID	
			H. State Facility Phone	912.496.7918

GENERATOR

11. Description of Waste Materials	12. Containers No	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol	I Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	17.5	TNS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Lauren Foreman	Lauren Foreman	5	26	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
CECIL SNIPES	X	5	06	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Cindy Snipes				

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY Blue- GENERATOR #2 COPY Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842584

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/26/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9413720
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier GARMON GARMON
Vehicle# g075
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/26/2020 09:54:48	Scale 01	csnipes		Gross	61420 lb
Out	05/26/2020 09:54:48		csnipes		Tare	26300 lb
					Net	35120 lb
					Tons	17.56

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	17.56	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No	Manifest Doc No	2 Page 1 of	141

3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing):	A. Manifest Number 9413721 B State Generator's ID

5. Transporter 1 Company Name Garmon Trucking	6. US EPA ID Number	C. State Transporter's ID D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID F. Transporter's Phone
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number	G. State Facility ID H. State Facility Phone 912.496.7918

GENERATOR

11. Description of Waste Materials	12. Containers No	12. Containers Type	13 Total Quantity	14. Unit Wt./Vol.	I Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	17	TN	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Chris Thomas		5	26	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Allen M. Miller		5	26	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Chris Thomas		5	26	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842573

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/26/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9413721
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier GARMON GARMON
Vehicle# 141
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/26/2020 09:27:00	Scale 1-301	jjohns94		Gross	66880 lb
Out	05/26/2020 09:27:00		jjohns94		Tare	27120 lb
					Net	39760 lb
					Tons	19.88

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons 100		19.88	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	G077
			A. Manifest Number	9413722

3. Generator's Mailing Address:
SJRPP
11201 NEW BERLIN ROAD
JACKSONVILLE, FL 32226

4. Generator's Phone
904.665.4795

Generator's Site Address (if different than mailing):

B State Generator's ID

5. Transporter 1 Company Name
Garmon Trucking

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHESSER ISLAND LANDFILL
367 CHESSER ISLAND ROAD
FOLKSTON, GA 31537

10. US EPA ID Number

G. State Facility ID

H. State Facility Phone 912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No.	12 Containers Type	13. Total Quantity	14 Unit Wt./Vol	I Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	16	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

K. Disposal Location
Cell | Level
Grid

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Lauren Hartman	Lauren Hartman	5	26	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials Printed Name	Signature	Month	Day	Year
Joe Probst	Joe Probst	5	26	20
18. Transporter 2 Acknowledgement of Receipt of Materials Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest. Printed Name	Signature	Month	Day	Year
Robert Johnson	Robert Johnson	5	26	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842565

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	GARMON GARMON	
Ticket Date	05/26/2020	Vehicle#	g077	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0002664	
State Waste Code		Gen EPA ID	NR	
Manifest	9413722	Grid		
Destination				
PO	TOTA-19-0002			
Profile	411133FL (WWTP SLUDGE)			
Generator	114-SJRPP SJRPP			

	Time	Scale	Operator	Inbound		
In	05/26/2020 09:11:14	Scale 1-301	jjohns94		Gross	59160 lb
Out	05/26/2020 09:11:14		jjohns94		Tare	26320 lb
					Net	32840 lb
					Tons	16.42

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Wstwtr Sludge-Tons	100	16.42	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	1913
3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (If different than mailing):		A. Manifest Number	9413690
			B. State Generator's ID	
5. Transporter 1 Company Name: Garmon Trucking	6. US EPA ID Number		C. State Transporter's ID	
			D. Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number		E. State Transporter's ID	
			F. Transporter's Phone	
9. Designated Facility Name and Site Address: CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		G. State Facility ID	
			H. State Facility Phone	912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt./Vol.	I. Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	16	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # | EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Foreman	Karen Foreman	5	27	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
X Terence Slonaker	X	5	27	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Derek Sharpe		5	27	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 843005

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	GARMON GARMON
Ticket Date	05/27/2020	Vehicle#	G1913
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0002664
State Waste Code		Gen EPA ID	NR
Manifest	9413690	Grid	
Destination			
PO	TOTA-19-0002		
Profile	411133FL (WWTP SLUDGE)		
Generator	114-SJRPP SJRPP		

Volume

	Time	Scale	Operator	Inbound	Gross	59720 lb
In	05/27/2020 15:29:08	Scale 1-301	jjohns94		Tare	26460 lb
Out	05/27/2020 15:29:08		jjohns94		Net	33260 lb
					Tons	16.63

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	16.63	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No	Manifest Doc No.	2. Page 1 of	141
3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing)		A. Manifest Number	9413691
			B. State Generator's ID	
5. Transporter 1 Company Name: Garmon Trucking	6. US EPA ID Number		C. State Transporter's ID	
7. Transporter 2 Company Name	8. US EPA ID Number		D. Transporter's Phone	
			E. State Transporter's ID	
9. Designated Facility Name and Site Address: CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		F. Transporter's Phone	
			G. State Facility ID	
			H. State Facility Phone	912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13 Total Quantity	14 Unit Wt /Vol	I Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	16	TAS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Forman	Karen Forman	5	27	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
X Allen M. Miller	X Allen M. Miller	5	27	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
[illegible]	[illegible]	5	27	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 843016

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/27/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9413691
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier GARMON GARMON
Vehicle# 141
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/27/2020 15:48:50	Scale 01	csnipes		Gross	60000 lb
Out	05/27/2020 15:48:50		csnipes		Tare	27120 lb
					Net	32880 lb
					Tons	16.44

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	16.44	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No	Manifest Doc No.	2. Page 1 of	G075
3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing):		A Manifest Number	9413692
			B State Generator's ID	
5. Transporter 1 Company Name Garmon Trucking	6. US EPA ID Number		C. State Transporter's ID D. Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number		E. State Transporter's ID F. Transporter's Phone	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		G. State Facility ID H. State Facility Phone 912.496.7918	

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	18	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Foreman	Karen Foreman	5	27	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
CECIL SNIPES		5	27	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
[illegible]	[illegible]	5	27	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Pink- FACILITY USE ONLY
Blue- GENERATOR #2 COPY
Gold- TRANSPORTER #1 COPY
Yellow- GENERATOR #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842985

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	GARMON GARMON	
Ticket Date	05/27/2020	Vehicle#	g075	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0002664	
State Waste Code		Gen EPA ID	NR	
Manifest	9413692	Grid		
Destination				
PO	TOTA-19-0002			
Profile	411133FL (WWTP SLUDGE)			
Generator	114-SJRPP SJRPP			

	Time	Scale	Operator	Inbound		
In	05/27/2020 14:50:26	Scale 1-301	jjohns94		Gross	61540 lb
Out	05/27/2020 14:50:26		jjohns94		Tare	26300 lb
					Net	35240 lb
					Tons	17.62

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	17.62	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	6077
3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing)		A. Manifest Number	9413693
			B. State Generator's ID	
5. Transporter 1 Company Name Garmon Trucking	6. US EPA ID Number		C. State Transporter's ID D. Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number		E. State Transporter's ID F. Transporter's Phone	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number		G. State Facility ID H. State Facility Phone 912.496.7918	

GENERATOR

11. Description of Waste Materials	12. Containers No	12. Containers Type	13 Total Quantity	14 Unit Wt./Vol	I. Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	17	TNS	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Herman	Karen Herman	5	27	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Joe Pridgen	Joe Pridgen	5	27	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Ronald Thrasher	Ronald Thrasher	5	27	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842993

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	GARMON GARMON		
Ticket Date	05/27/2020	Vehicle#	g077	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver			
Hauling Ticket#		Check#			
Route		Billing #	0002664		
State Waste Code		Gen EPA ID	NR		
Manifest	9413693	Grid			
Destination					
PO	TOTA-19-0002				
Profile	411133FL (WWTP SLUDGE)				
Generator	114-SJRPP SJRPP				

	Time	Scale	Operator	Inbound		
In	05/27/2020 14:58:04	Scale 1-301	jjohns94		Gross	62340 lb
Out	05/27/2020 14:58:04		jjohns94		Tare	26320 lb
					Net	36020 lb
					Tons	18.01

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons 100		18.01	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1 Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of	
				078

3. Generator's Mailing Address:	Generator's Site Address (if different than mailing):	A. Manifest Number	9413694
SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795		B. State Generator's ID	

5. Transporter 1 Company Name	6. US EPA ID Number	C State Transporter's ID	
Garmon Trucking		D. Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID	
		F. Transporter's Phone	
9. Designated Facility Name and Site Address CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number	G State Facility ID	
		H. State Facility Phone	912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No.	12 Containers Type	13 Total Quantity	14. Unit Wt./Vol.	I Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	17	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Foreman	Karen Foreman	5	29	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
Brian Lambert	Brian Lambert	5	29	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Chad Snipes		5	29	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 843000

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	GARMON GARMON
Ticket Date	05/27/2020	Vehicle#	G078
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Hauling Ticket#		Check#	
Route		Billing #	0002664
State Waste Code		Gen EPA ID	NR
Manifest	9413694	Grid	
Destination			
PO	TOTA-19-0002		
Profile	411133FL (WWTP SLUDGE)		
Generator	114-SJRPP SJRPP		

Volume

	Time	Scale	Operator	Inbound		
In	05/27/2020 15:09:06	Scale 01	csnipes		Gross	61680 lb
Out	05/27/2020 15:09:06		csnipes		Tare	26400 lb
					Net	35280 lb
					Tons	17.64

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	17.64	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No	Manifest Doc No.	2. Page 1 of	141
			A Manifest Number	9413697

3. Generator's Mailing Address:
SJRPP
11201 NEW BERLIN ROAD
JACKSONVILLE, FL 32226
4. Generator's Phone
904.665.4795

Generator's Site Address (if different than mailing):

B State Generator's ID

5. Transporter 1 Company Name	6. US EPA ID Number	C. State Transporter's ID
Garmon Truckings		D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID
		F. Transporter's Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	G. State Facility ID
CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537		H. State Facility Phone 912.496.7918

GENERATOR

11. Description of Waste Materials	12 Containers No	12 Containers Type	13. Total Quantity	14 Unit Wt./Vol	I Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	16	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location			
	Cell		Level	
	Grid			

15. Special Handling Instructions and Additional Information

Purchase Order # | EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE.
I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.

Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Harman	Karen Harman	5	27	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials				
Printed Name: Allen M. Miller	Signature	Month 5	Day 27	Year 20
18. Transporter 2 Acknowledgement of Receipt of Materials				
Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal
I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
		5	27	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842934

Customer Name LONEWOLF LONE WOLF RESOURCES
Ticket Date 05/27/2020
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 9413697
Destination
PO TOTA-19-0002
Profile 411133FL (WWTP SLUDGE)
Generator 114-SJRPP SJRPP

Carrier GARMON GARMON
Vehicle# 141
Container
Driver
Check#
Billing # 0002664
Gen EPA ID NR
Grid

Volume

	Time	Scale	Operator	Inbound		
In	05/27/2020 12:41:46	Scale 01	csnipes		Gross	60200 lb
Out	05/27/2020 12:41:46		csnipes		Tare	27120 lb
					Net	33080 lb
					Tons	16.54

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	16.54	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

NON-HAZARDOUS MANIFEST	1. Generator's US EPA ID No	Manifest Doc No.	2. Page 1 of	1913

3. Generator's Mailing Address: SJRPP 11201 NEW BERLIN ROAD JACKSONVILLE, FL 32226 4. Generator's Phone 904.665.4795	Generator's Site Address (if different than mailing):	A Manifest Number 9413698 / B. State Generator's ID
5. Transporter 1 Company Name: Garmon Trucking	6. US EPA ID Number	C. State Transporter's ID / D. Transporter's Phone
7. Transporter 2 Company Name	8. US EPA ID Number	E. State Transporter's ID / F. Transporter's Phone
9. Designated Facility Name and Site Address: CHESSER ISLAND LANDFILL 367 CHESSER ISLAND ROAD FOLKSTON, GA 31537	10. US EPA ID Number	G. State Facility ID / H State Facility Phone 912.496.7918

GENERATOR

11. Description of Waste Materials	12. Containers No	12. Containers Type	13 Total Quantity	14 Unit Wt./Vol	I Misc. Comments
a. STABILIZED OWS SEDIMENT W/60 MIL LINER WM Profile # 411133FL	1	DT	17	Tns	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above	K. Disposal Location: Cell / Grid / Level

15. Special Handling Instructions and Additional Information

Purchase Order # | EMERGENCY CONTACT / PHONE NO.:

16. GENERATOR'S CERTIFICATE:

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Printed Name	Signature "On behalf of"	Month	Day	Year
Karen Foreman	Karen Foreman	5	27	20

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year
X Terrace Stonaker	X	5	27	20

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed Name	Signature	Month	Day	Year

FACILITY

19. Certificate of Final Treatment/Disposal

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.

20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.

Printed Name	Signature	Month	Day	Year
Denise Johnson	Denise Johnson	5	27	20

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY
Blue- GENERATOR #2 COPY
Yellow- GENERATOR #1 COPY
Pink- FACILITY USE ONLY
Gold- TRANSPORTER #1 COPY

Chesser Island Landfill
Hwy 121/South Chesser Island Rd, P.O.Box 128
Folkston, GA, 31537
Ph: (912) 496-7918

Reprint
Ticket# 842927

Customer Name	LONEWOLF LONE WOLF RESOURCES	Carrier	GARMON GARMON	
Ticket Date	05/27/2020	Vehicle#	G1913	Volume
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0002664	
State Waste Code		Gen EPA ID	NR	
Manifest	9413698	Grid		
Destination				
PO	TOTA-19-0002			
Profile	411133FL (WWTP SLUDGE)			
Generator	114-SJRPP SJRPP			

	Time	Scale	Operator	Inbound		
In	05/27/2020 12:27:30	Scale 1-301	jjohns94		Gross	60760 lb
Out	05/27/2020 12:27:30		jjohns94		Tare	26460 lb
					Net	34300 lb
					Tons	17.15

Comments

SAVING TIME NEVER TRUMPS OVER SAFE BEHAVIOR!! THINK SAFETY!!

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Wstwtr Sludge-Tons	100	17.15	Tons				DUVAL

Total Fees
Total Ticket

Driver`s Signature