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SUPPLEMENTAL SITE ASSESSMENT REPORT

101-111 Geraldine Street | Key West, Florida
PM Project Number 06-3668-2
Waste Cleanup Tracking Number: COM_303264

Prepared for:

Florida Department of Environmental Protection
South District Waste Cleanup Program
P.O. Box 2549
Fort Myers, Florida 33902-2549

Prepared by:

PM Environmental, Inc.
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August 25, 2014

Mr. Charles A. Masella
Florida Department of Environmental Protection – South District
Waste Cleanup Program
P.O. Box 2549
Fort Myers, Florida 33902-2549

Re: Supplemental Site Assessment Report
For the Former Key West Gas and Electric Company
101-111 Geraldine Street, Key West, Monroe County, Florida
PM Environmental, Inc. Project No. 06-3668-2
Waste Cleanup Tracking Number: COM_303264

Dear Mr. Masella:

PM Environmental, Inc. (PM) has prepared this response to the Florida Department of Environmental Protection (FDEP) letter, dated March 13, 2014, which provided FDEP's review comments for the Site Assessment Report (SAR) and First Quarterly Monitoring Only Plan (MOP) dated March 10, 2014 by PM Environmental, Inc. to address the petroleum contamination confirmed through the October 8, 2013 Phase II Environmental Site Assessment (ESA) at the above-referenced facility. The March 13, 2014 FDEP comments letter is included in Appendix A. This report summarizes PM's responses to FDEP's review comments issued and additional groundwater sampling results.

SITE DESCRIPTION

The subject property consists of eight parcels containing approximately 0.78 acres. The subject property is developed with three buildings which consist of a 13,300 square foot main building, a 459 square foot blacksmith shop, and a 945 square foot machine shop. Standard and other historical sources were able to document that the first developed use of the subject property occurred in at 1884, at which time the property was developed as a manufactured gas plant that operated until 1889. The property began to operate as an electrical power plant in approximately 1890 and continued to operate as a power plant until the 1950s/1960s. Five residential dwellings were present on the northern and southern portions of the property from at least 1892 until 1899. The property has been unoccupied since the power plant was closed, with the exception of the construction of an electrical substation on the southern portion of the property in the late 2000s. A United States Geological Survey (USGS) map of the site vicinity is included as Figure 1 and a map of the subject property and surrounding properties is provided as Figure 2.

COMMENTS AND RESPONSES

Comment 1

Environmental impacts to the soil, although confirmed in the Phase II ESA, were not addressed or delineated in the Site Assessment (SA).

Response 1

Based on the email correspondence dated October 31, 2013, FDEP stated, "As for soils, they are a secondary issue, due to the abundance of sand and limerock (possibly vugular, or oolitic in composition) on the site." Therefore, given that soil assessments were completed during the Phase II ESA, additional soil assessment was not conducted during the SA. A copy of the email correspondence is attached in Appendix A.

Comment 2

The combining of isocontour lines does not provide a clear understanding of the extent of groundwater impacts. Separate lines for each major contaminant should be presented.

Comment 3

The isocontour line for 1-methylnaphthalene and 2-methylnaphthalene does not include TMW-10, even though concentrations in excess of Groundwater Cleanup Target Levels (GCTLs) were detected in this area in the Phase II ESA.

Comment 4

The isocontour line for 1-methylnaphthalene and 2-methylnaphthalene, and for the trimethylbenzenes do not appear to be delineated by "clean" water samples in any direction.

Responses 2, 3, and 4

The isocontour lines have been revised and separated to depict the extent of the groundwater impacts of each major contaminant group analyzed. Figures 3, 4, and 5 depict the isocontours of the volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), and total recoverable petroleum hydrocarbons (TRPHs) detected, respectively.

Comment 5

The "delineated" areas of groundwater impacts do not include isopropyl benzene (cumene), which appears to be present throughout the subject site. The cumene impacts must be fully delineated.

Response 5

The FDEP concurred with PM's recommendation to conduct an additional quarterly sampling event to confirm the previous groundwater concentrations. PM conducted a groundwater sampling event on July 1, 2014. The results of this event where cumene is addressed, are discussed within the text of this report

Comment 6

Additional analytes, including bromodichloromethane, ethylbenzene, xylenes, acenaphthalene, benzo(a)anthracene, benzo(b)fluoranthene, naphthalene, and TRPH, were detected in the Phase II ESA and confirmed in the SA, but were not addressed in Figure 4 (Groundwater

Concentration Map). If any analyte is detected in more than one groundwater monitoring well, it should be presented on the Groundwater Concentration Map.

Response 6

The isocontour lines for bromodichloromethane, ethylbenzene, xylenes, acenaphthalene, benzo(a)anthracene, benzo(b)fluoranthene, naphthalene, and TRPH have been added to their respective Groundwater Concentration Maps depicted on Figures 3, 4, and 5.

ADDITIONAL GROUNDWATER SAMPLING

On July 1, 2014, PM sampled seven monitoring wells (PMW-1 through PMW-7) and collected groundwater samples for laboratory analysis of VOCs, PAHs, and TRPHs to investigate the current environmental condition at the subject property as discussed and approved by the FDEP.

Prior to sampling, the monitoring wells were gauged to determine the depth to groundwater. The groundwater samples were collected using low-flow techniques in accordance with the FDEP Standard Operating Procedures (SOP) 001/01 FS2200 Groundwater Sampling. Groundwater samples were transferred directly from the low-flow pump discharge line into appropriately labeled sample containers provided by the laboratory. Copies of the groundwater sampling logs are found in Appendix B.

The groundwater samples collected were submitted to Pace Analytical Services, Inc., for chemical analysis of VOCs by U.S Environmental Protection Agency (EPA) Method 8260, PAHs by EPA Method 8270, and TRPHs by FL-PRO Method. Groundwater analytical results are summarized in Table 1 and depicted on Figure 6. Refer to Appendix C for a copy of the laboratory analytical report.

Groundwater was encountered between 3.0 and 4.65 feet below ground surface (bgs). Due to the tidal effects and great influence on the depth to water table, a site-specific groundwater flow diagram is not included as part of this assessment.

The groundwater analytical results were compared to the FDEP's GCTLs and Natural Attenuation Default Concentrations (NADCs) as set forth in Chapter 62-777, Florida Administrative Code (FAC). A summary of groundwater analytical results is presented in Table 1 and depicted on Figure 6. Groundwater concentration maps for the VOCs and PAHs are depicted on Figures 7 and 8. A copy of the laboratory analytical report is included in Appendix C.

Concentrations of VOC analytes bromobenzene (PMW-1), n-butylbenzene (PMW-1, PMW-2, PMW-3), sec-butylbenzene (PMW-3, PMW-5, PMW-7), tert-butylbenzene (PMW-3 and PMW-6), ethylbenzene (PMW-1 and PMW-2), isopropyl benzene (PMW-1, PMW-2 PMW-3, PMW-5, PMW-6), p-isopropylbenzene (PMW-1 and PMW-2), n-propylbenzene (PMW-1, PMW-2, PMW-3, PMW-5), toluene (PMW-1 and PMW-2), 1,2,3-trimethylbenzene (PMW-1 and PMW-2), 1,2,4-trimethylbenzene (PMW-1 and PMW2), 1,3,5-trimethylbenzene (PMW-1 and PMW-2), and xylenes (PMW-1 and PMW-2) were detected above their respective laboratory MDLs, but below the FDEP GCTLs, except for isopropyl benzene at PMW-1, PMW-2, PMW-3, PMW-5; 1,2,3-trimethylbenzene and 1,2,4-trimethylbenzene at PMW-1 and PMW-2; and 1,3,5-

trimethylbenzene and xylene at PMW-1. Additionally, the concentrations of isopropyl benzene at PMW-1 and PMW2 exceeded the NADCs. No other concentrations of VOC analytes were detected above the laboratory MDLs in the groundwater samples collected.

Concentrations of PAH analytes acenaphthalene (PMW-1, PMW-2, PMW-3, PMW-4, PMW-5, PMW-6, PMW-7), acenaphthylene (PMW-1, PMW-2, PMW-3, PMW-4, PMW-5, PMW-6), anthracene (PMW-1 and PMW-2), fluoranthene (PMW-1 and PMW-2), fluorene (PMW-1, PMW-2, PMW-3, PMW-5, PMW-6, PMW-7), naphthalene (PMW-1 and PMW-2), phenanthrene (PMW-1, PMW-2, PMW-3, PMW-6), pyrene (PMW-1 and PMW-2), 1-methylnaphthalene (MW-1, MW-4, MW-10D, MW-14, MW-15), 1-methylnaphthalene (PMW-1, PMW-2, PMW-3, PMW-5, PMW-6), and 2-methylnaphthalene (PMW-1, PMW-2, PMW-3, PMW-5, PMW-6) were detected above their respective laboratory MDLs, but below the FDEP GCTLs, except for acenaphthene at PMW-2; naphthalene at PMW-1 and PMW-2; 1-methylnaphthalene at PMW-1, PMW-2, PMW-3; and 2-methylnaphthalene at PMW-1 and PMW-2. Additionally, the concentrations of naphthalene at PMW-1 and PMW-2 exceeded the NADCs. No other concentrations of PAH analytes were detected above the laboratory MDLs in the groundwater samples collected.

Concentrations of TRPH were detected above the laboratory MDLs at PMW-1, PMW-2, PMW-3, PMW-5, and PMW-6, but were below the FDEP GCTL. No other concentrations of TRPH was detected above the laboratory MDLs in the remaining groundwater samples collected.

CONCLUSIONS AND RECOMMENDATIONS

Based upon the analytical results, the VOC, PAH, and TRPH plumes appear to have decreased from the previous sampling event.

Results of the July 2014 groundwater sampling event identified groundwater concentrations of VOC analytes isopropyl benzene at PMW-1 (43.6 micrograms per liter (µg/l)), PMW-2 (9.1 µg/l), PMW-3 (2.8 µg/l), PMW-5 (1.3 µg/l) which exceeds the GCTL of 0.8 µg/l; 1,2,3-trimethylbenzene at PMW-1 (54.7 µg/l) and PMW-2 (12.7 µg/l) which exceeds the GCTL of 10 µg/l; 1,2,4-trimethylbenzene at PMW-1 (49 µg/l) and PMW-2 (22.4 µg/l) which exceeds the GCTL of 10 µg/l; 1,3,5-trimethylbenzene at PMW-1 (74.9 µg/l) which exceeds the GCTL of 10 µg/l and xylene at PMW-1 (49.7 µg/l) which exceeds the GCTL of 20 µg/l. Additionally, concentrations of isopropyl benzene at PMW-1 and PMW-2 exceeded the NADC of 8 µg/l. No other VOCs were detected above the GCTLs and/or NADCs in the groundwater samples collected at the subject property.

Concentrations of PAH analytes acenaphthalene were detected at PMW-2 (34.6 µg/l) which exceeds the GCTL of 20 µg/l; naphthalene at PMW-1 (1,390 µg/l) and PMW-2 (346 µg/l) which exceed the GCTL of 14 µg/l; 1-methylnaphthalene at PMW-1 (123 µg/l), PMW-2 (132 µg/l), PMW-3 (32.2 µg/l) which exceed the GCTL of 28 µg/l; and 2-methylnaphthalene at PMW-1 (121 µg/l) and PMW-2 (31.2 µg/l) which exceed the GCTL of 28 µg/l as set forth in Chapter 62-777, FAC. Additionally, the concentrations of naphthalene at PMW-1 and PMW-2 exceed the NADC of 140 µg/l. No other PAHs were detected above the GCTLs and/or NADCs in the groundwater samples collected at the subject property.

No TRPH concentrations were detected above the GCTLs in the groundwater samples collected at the subject property.

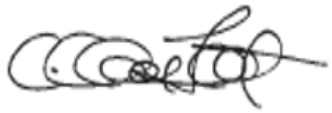
This groundwater sampling event indicates that VOC and PAH groundwater impact is defined on the subject property, with the exception of the vicinity of PMW-1, where off-site migration is likely. Due to the tidal effects influencing the surficial groundwater flow, and a highly variable lateral water table gradient, solute transport may be a function of these fluctuating gradients, combined with molecular diffusion and hydrodynamic dispersion.

PM recommends the continuation of the Monitoring Only Program (MOP) which includes quarterly monitoring of the groundwater. Additionally, based on the analytical results from PMW-1, the proximity to the property boundary, and the high tidal influence, PM recommends an additional well northeast of PMW-1 to further delineate the groundwater impact. The next quarterly sampling event is scheduled for October 2014.

If you have any questions related to this letter report please do not hesitate to contact our office at (954) 924-1801.

Sincerely,
PM Environmental, Inc.

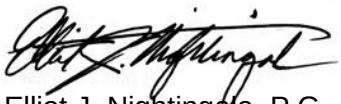
Report Prepared By:



Candace E. Chin Fatt
Project Manager

Report Reviewed By:

Maryse Speckner
Senior Consultant



Elliot J. Nightingale, P.G.
Senior Consultant
Florida Professional Geologist #2809

FIGURES

TABLES

APPENDICES

Figures

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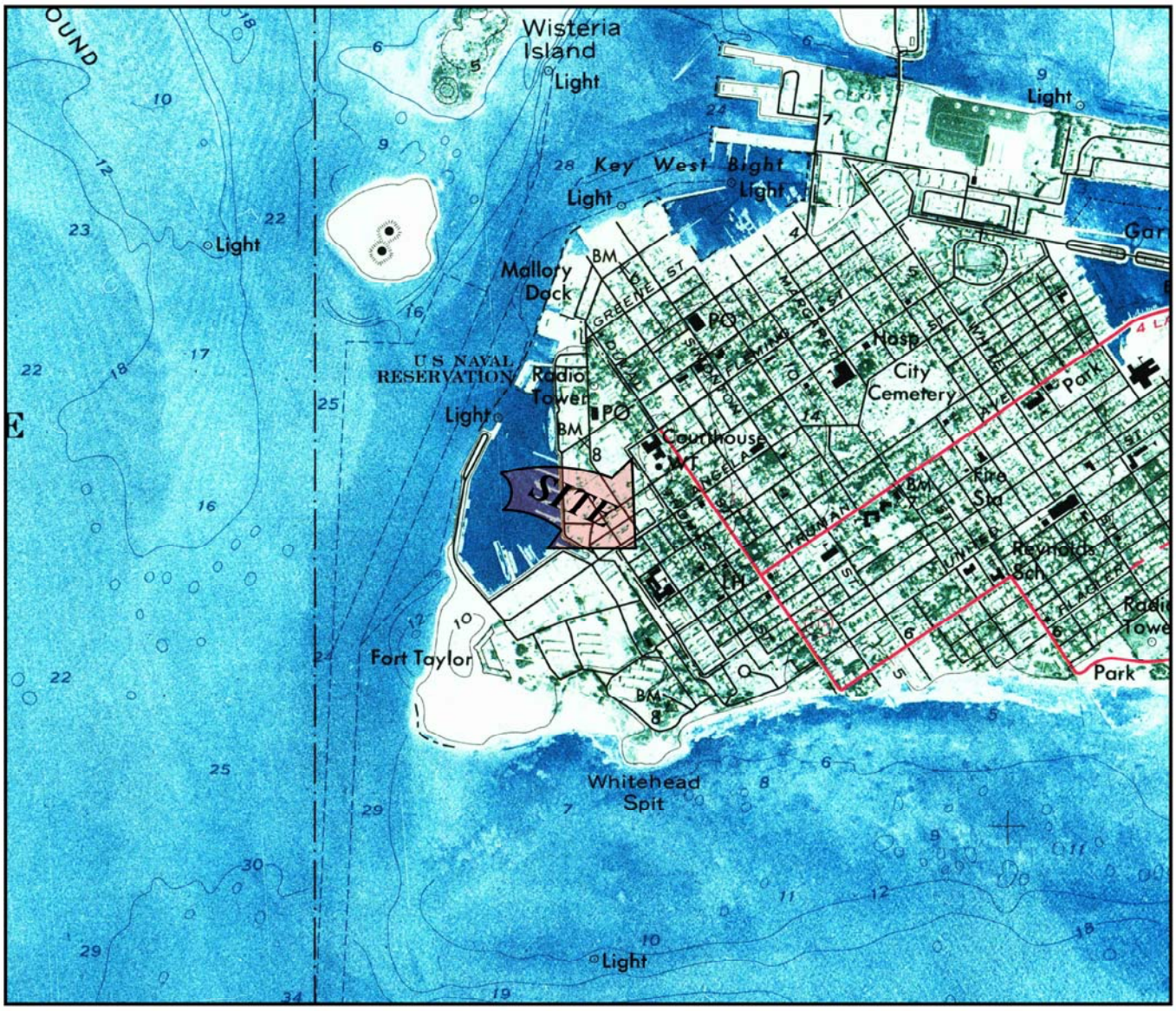

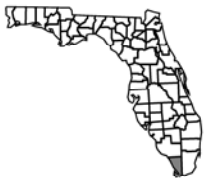

FLORIDA QUADRANGLE LOCATION

MONROE COUNTY

SCALE 1:24,000

1 MILE 1/2 MILE 0 1 MILE

FIGURE 1

PROPERTY VICINITY MAP

USGS, 7.5 MINUTE SERIES

KEY WEST, FL QUADRANGLE, 1971.

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PROJ:
FORMER KEY WEST GAS AND ELECTRIC COMPANY
101-111 GERALDINE STREET
KEY WEST, FL

THIS IS NOT A LEGAL SURVEY

VERIFY SCALE
0 2,000'
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DATE: 2/10/2014
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FILE NAME: 06-3668-4F01R00

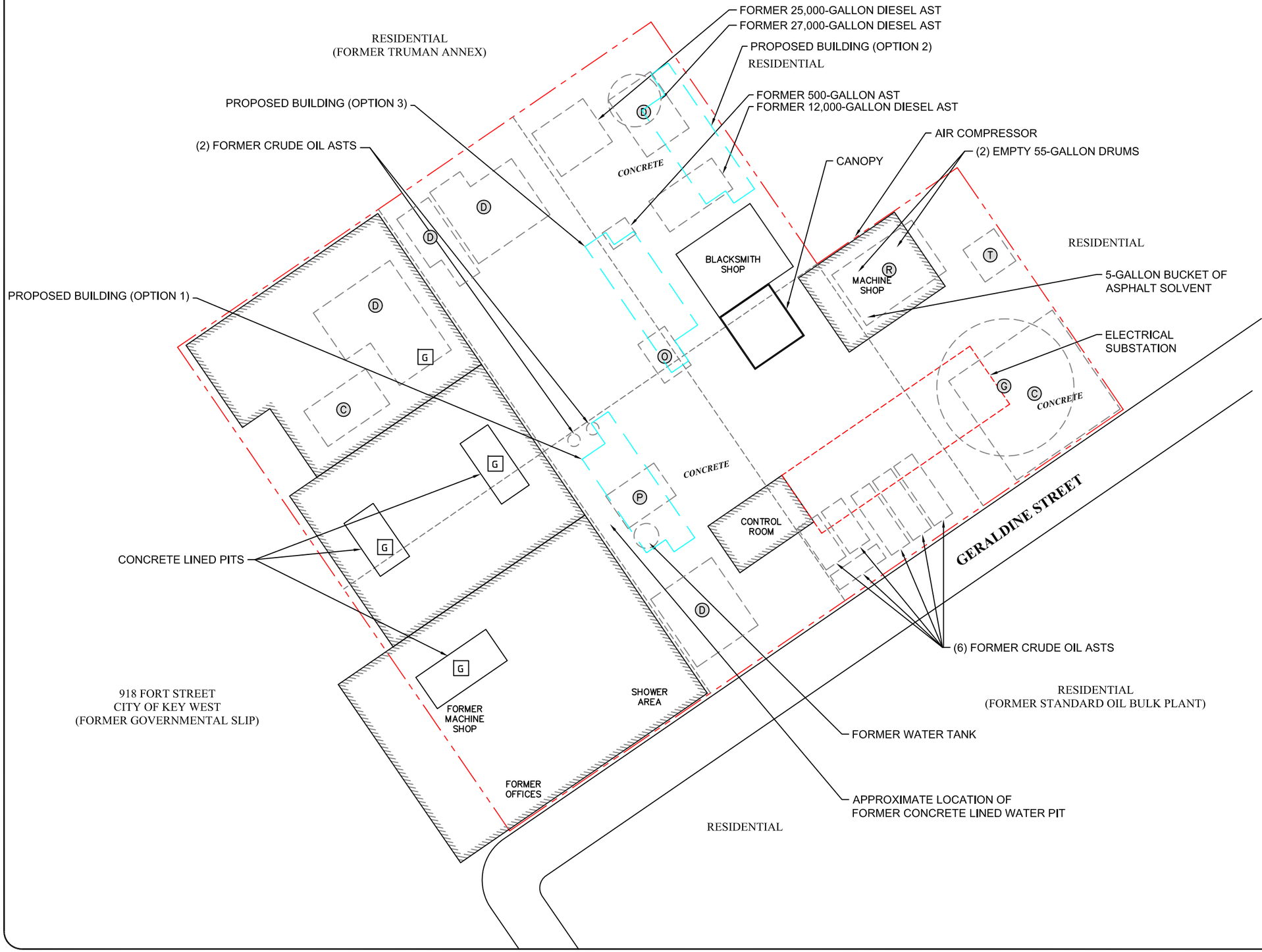

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FIGURE 2

GENERALIZED DIAGRAM OF THE SUBJECT PROPERTY AND ADJOINING PROPERTIES

PROJ:
FORMER KEY WEST GAS AND ELECTRIC COMPANY
101-111 GERALDINE STREET
KEY WEST, FL

THIS IS NOT A LEGAL SURVEY	DRN BY: TS/MM/CS	DATE: 2/26/2014
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FIGURE 3

GROUNDWATER CONCENTRATION MAP FOR VOCs
(1/2014)

PROJ:
FORMER KEY WEST GAS AND ELECTRIC COMPANY
101-111 GERALDINE STREET
KEY WEST, FL

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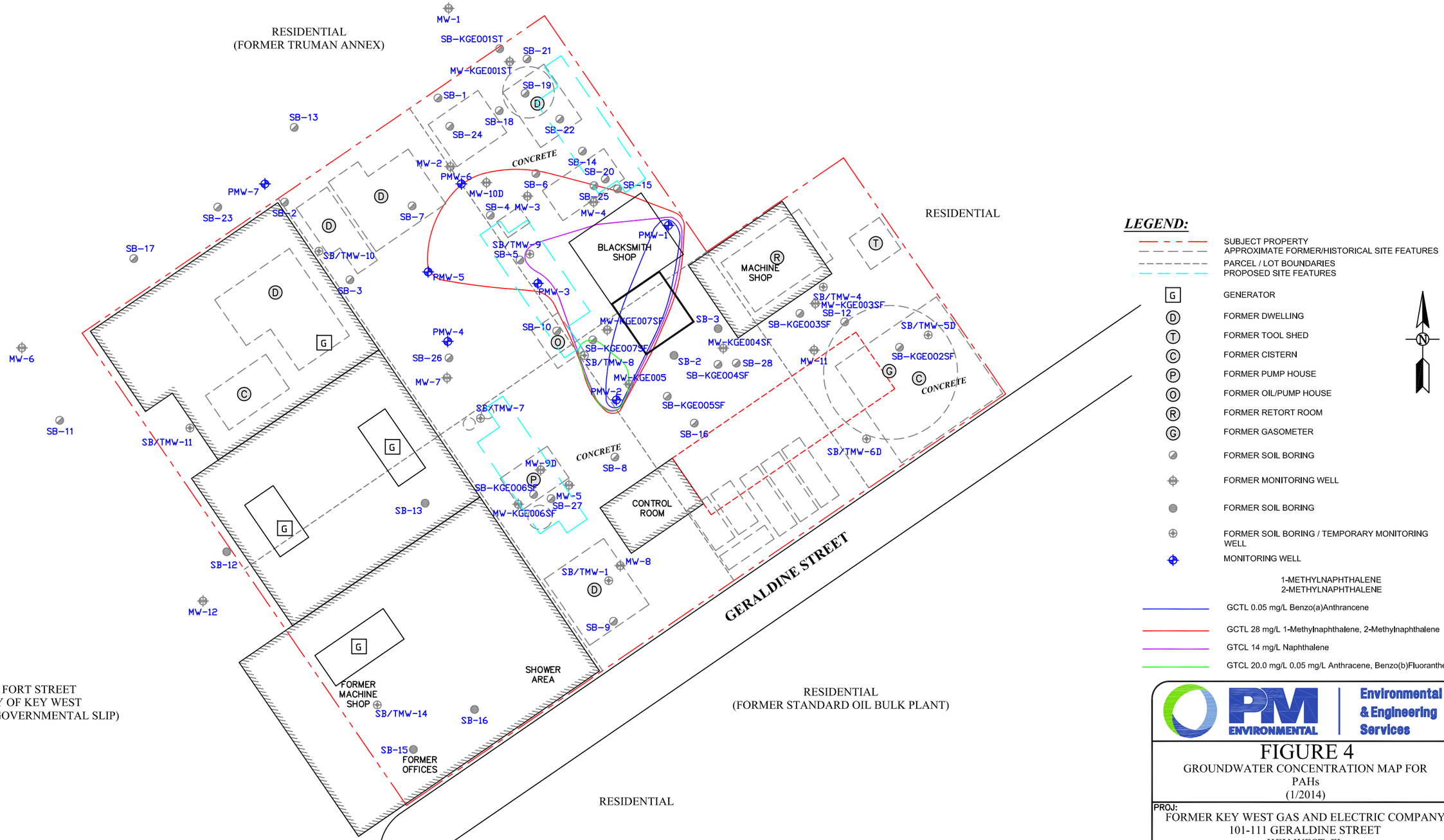

LEGEND:

- SUBJECT PROPERTY
- APPROXIMATE FORMER/HISTORICAL SITE FEATURES
- PARCEL / LOT BOUNDARIES
- PROPOSED SITE FEATURES
- (G) GENERATOR
- (D) FORMER DWELLING
- (T) FORMER TOOL SHED
- (C) FORMER CISTERN
- (P) FORMER PUMP HOUSE
- (O) FORMER OIL/PUMP HOUSE
- (R) FORMER RETORT ROOM
- (G) FORMER GASOMETER
- FORMER SOIL BORING
- FORMER MONITORING WELL
- FORMER SOIL BORING
- FORMER SOIL BORING / TEMPORARY MONITORING WELL
- MONITORING WELL

1-METHYLNAPHTHALENE
2-METHYLNAPHTHALENE

- GCTL 0.05 mg/L Benzo(a)Anthrancene
- GCTL 28 mg/L 1-Methylnaphthalene, 2-Methylnaphthalene
- GTCL 14 mg/L Naphthalene
- GTCL 20.0 mg/L 0.05 mg/L Anthracene, Benzo(b)Fluoranthene

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FIGURE 4

GROUNDWATER CONCENTRATION MAP FOR PAHs
(1/2014)

PROJ:
FORMER KEY WEST GAS AND ELECTRIC COMPANY
101-111 GERALDINE STREET
KEY WEST, FL

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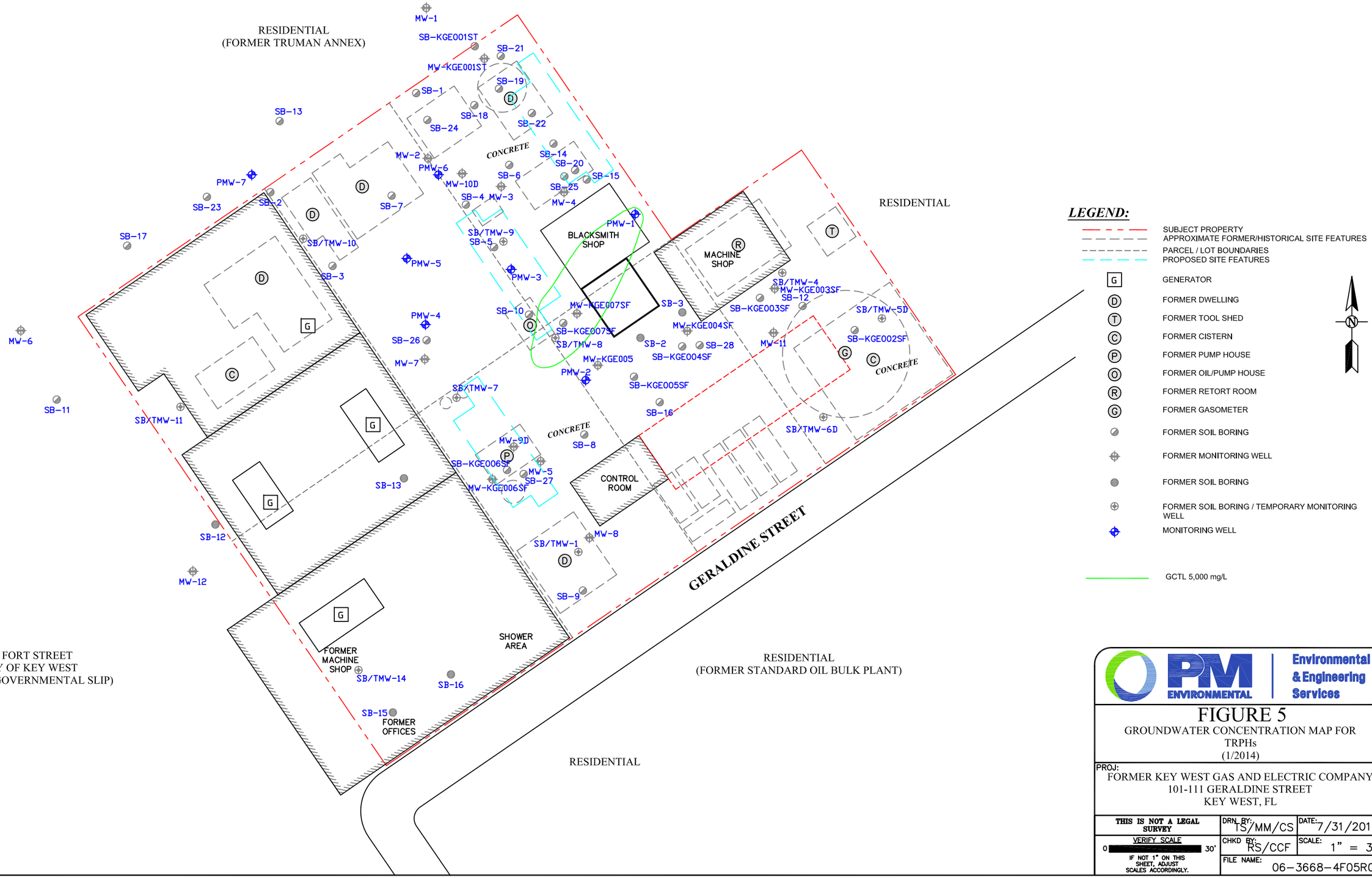

LEGEND:

- SUBJECT PROPERTY
- APPROXIMATE FORMER/HISTORICAL SITE FEATURES
- PARCEL / LOT BOUNDARIES
- PROPOSED SITE FEATURES
- G — GENERATOR
- D — FORMER DWELLING
- T — FORMER TOOL SHED
- C — FORMER CISTERN
- P — FORMER PUMP HOUSE
- O — FORMER OIL/PUMP HOUSE
- R — FORMER RETORT ROOM
- G — FORMER GASOMETER
- FORMER SOIL BORING
- FORMER MONITORING WELL
- FORMER SOIL BORING
- FORMER SOIL BORING / TEMPORARY MONITORING WELL
- MONITORING WELL
- GCTL 5,000 mg/L

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FIGURE 5

GROUNDWATER CONCENTRATION MAP FOR TRPHs
(1/2014)

PROJ:
FORMER KEY WEST GAS AND ELECTRIC COMPANY
101-111 GERALDINE STREET
KEY WEST, FL

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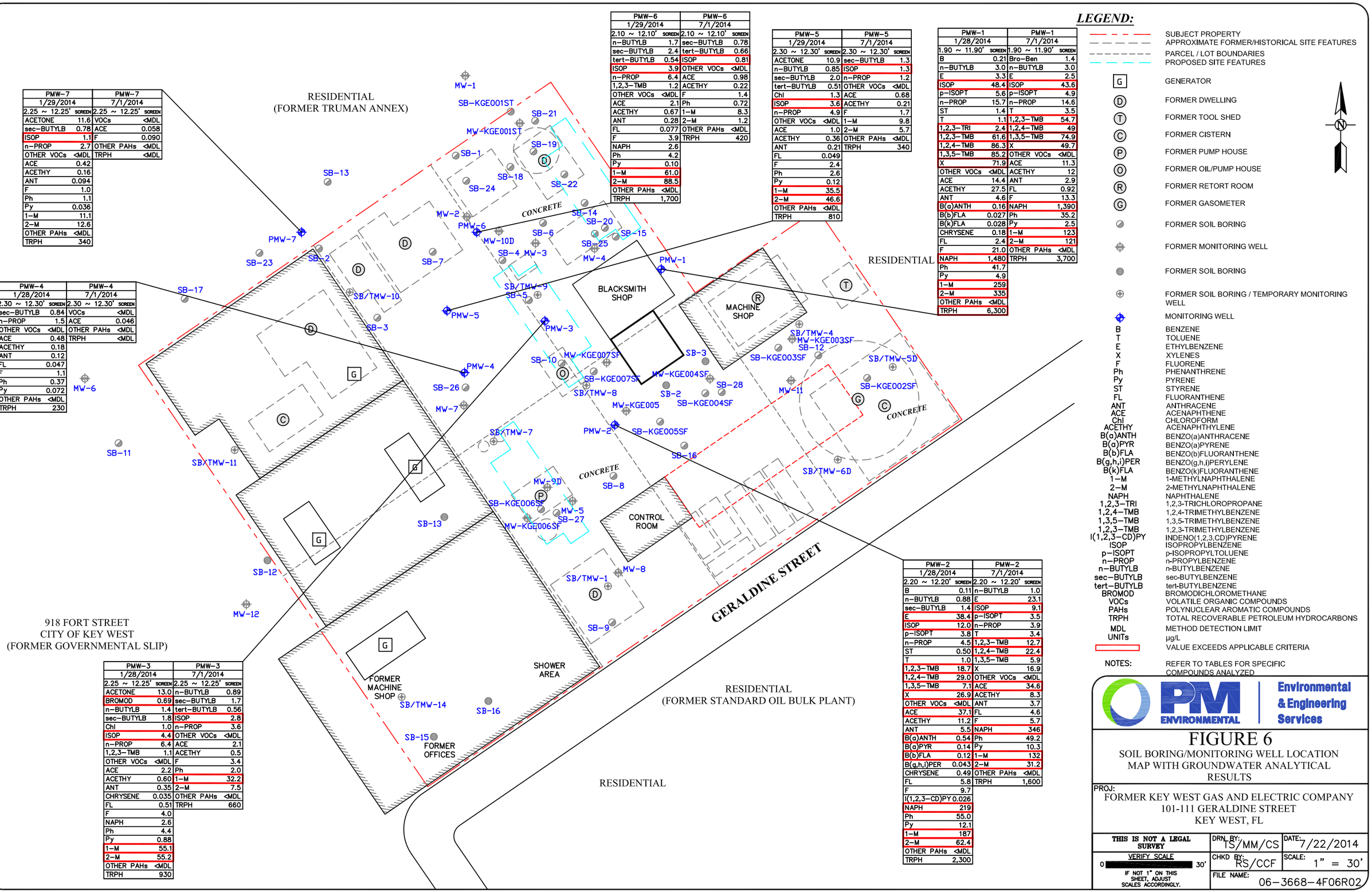


PMW-6	
1/29/2014	
2.10 ~ 12.10'	SCREEN
n-BUTYLB	1.7
sec-BUTYLB	2.4
tert-BUTYLB	0.54
ISOP	3.9
n-PROP	6.4
1,2,3-TMB	1.2
OTHER VOCs	<MDL
ACE	2.1
ACETHY	0.67
ANT	0.28
FL	0.077
F	3.9
NAPH	2.6
Ph	4.2
Py	0.10
1-M	61.0
2-M	88.5
OTHER PAHs	<MDL
TRPH	1,700

PMW-6	
7/1/2014	
2.10 ~ 12.10'	SCREEN
sec-BUTYLB	0.78
tert-BUTYLB	0.66
ISOP	0.81
OTHER VOCs	<MDL
ACE	0.98
ACETHY	0.22
F	1.4
Ph	0.72
1-M	8.3
2-M	1.2
OTHER PAHs	<MDL
TRPH	420

PMW-5	
1/29/2014	
2.30 ~ 12.30'	SCREEN
ACETONE	10.9
n-BUTYLB	0.85
sec-BUTYLB	2.0
tert-BUTYLB	0.51
Chl	1.3
ISOP	3.6
n-PROP	4.9
OTHER VOCs	<MDL
ACE	1.0
ACETHY	0.36
ANT	0.21
FL	0.049
F	2.4
Ph	2.6
Py	0.12
1-M	35.5
2-M	46.6
OTHER PAHs	<MDL
TRPH	810

PMW-5	
7/1/2014	
2.30 ~ 12.30'	SCREEN
sec-BUTYLB	1.3
ISOP	1.3
n-PROP	1.2
OTHER VOCs	<MDL
ACE	0.68
ACETHY	0.21
F	1.7
1-M	9.8
2-M	5.7
OTHER PAHs	<MDL
TRPH	340

PMW-1	
1/28/2014	
1.90 ~ 11.90'	SCREEN
B	0.21
n-BUTYLB	3.0
E	3.3
ISOP	48.4
p-ISOPT	5.6
n-PROP	15.7
ST	1.4
T	1.1
1,2,3-TRI	2.4
1,2,3-TMB	61.6
1,2,4-TMB	86.3
1,3,5-TMB	85.2
X	71.9
OTHER VOCs	<MDL
ACE	14.4
ACETHY	27.5
ANT	4.6
B(a)ANTH	0.16
B(b)FLA	0.027
B(k)FLA	0.028
CHRYSENE	0.18
FL	2.4
F	21.0
NAPH	1,480
Ph	41.7
Py	4.9
1-M	259
2-M	335
OTHER PAHs	<MDL
TRPH	6,300

PMW-1	
7/1/2014	
1.90 ~ 11.90'	SCREEN
Bro-Ben	1.4
n-BUTYLB	3.0
E	2.5
ISOP	43.6
p-ISOPT	4.9
n-PROP	14.6
T	3.5
1,2,3-TMB	54.7
1,2,4-TMB	49
1,3,5-TMB	74.9
X	49.7
OTHER VOCs	<MDL
ACE	11.3
ACETHY	12
ANT	2.9
FL	0.92
F	13.3
NAPH	1,390
Ph	35.2
Py	2.5
1-M	123
2-M	121
OTHER PAHs	<MDL
TRPH	3,700

PMW-7	
1/29/2014	
2.25 ~ 12.25'	SCREEN
ACETONE	11.6
sec-BUTYLB	0.78
ISOP	1.1
n-PROP	2.7
OTHER VOCs	<MDL
ACE	0.42
ACETHY	0.16
ANT	0.094
F	1.0
Ph	1.1
Py	0.036
1-M	11.1
2-M	12.6
OTHER PAHs	<MDL
TRPH	340

PMW-7	
7/1/2014	
2.25 ~ 12.25'	SCREEN
VOCs	<MDL
ACE	0.058
F	0.090
OTHER PAHs	<MDL
TRPH	<MDL

PMW-4	
1/28/2014	
2.30 ~ 12.30'	SCREEN
sec-BUTYLB	0.84
n-PROP	1.5
OTHER VOCs	<MDL
ACE	0.48
ACETHY	0.18
ANT	0.12
FL	0.047
F	1.1
Ph	0.37
Py	0.072
OTHER PAHs	<MDL
TRPH	230

PMW-4	
7/1/2014	
2.30 ~ 12.30'	SCREEN
VOCs	<MDL
ACE	0.046
OTHER PAHs	<MDL
TRPH	<MDL

PMW-3	
1/28/2014	
2.25 ~ 12.25'	SCREEN
ACETONE	13.0
BROMOD	0.69
n-BUTYLB	1.4
sec-BUTYLB	1.8
Chl	1.0
ISOP	4.4
n-PROP	6.4
1,2,3-TMB	1.1
OTHER VOCs	<MDL
ACE	2.2
ACETHY	0.60
ANT	0.35
CHRYSENE	0.035
FL	0.51
F	4.0
NAPH	2.6
Ph	4.4
Py	0.88
1-M	55.1
2-M	55.2
OTHER PAHs	<MDL
TRPH	930

PMW-3	
7/1/2014	
2.25 ~ 12.25'	SCREEN
n-BUTYLB	0.89
sec-BUTYLB	1.7
tert-BUTYLB	0.56
ISOP	2.8
n-PROP	3.6
OTHER VOCs	<MDL
ACE	2.1
ACETHY	0.5
F	3.4
Ph	2.0
1-M	32.2
2-M	7.5
OTHER PAHs	<MDL
TRPH	660

PMW-2	
1/28/2014	
2.20 ~ 12.20'	SCREEN
B	0.11
n-BUTYLB	0.88
sec-BUTYLB	1.4
E	38.4
ISOP	12.0
p-ISOPT	3.8
n-PROP	4.5
ST	0.50
T	1.0
1,2,3-TMB	18.7
1,2,4-TMB	29.0
1,3,5-TMB	7.1
X	26.9
OTHER VOCs	<MDL
ACE	37.1
ACETHY	11.2
ANT	5.5
B(a)ANTH	0.54
B(a)PYR	0.14
B(b)FLA	0.12
B(g,h,i)PER	0.043
CHRYSENE	0.49
FL	5.8
F	9.7
I(1,2,3-CD)PY	0.026
NAPH	219
Ph	55.0
Py	12.1
1-M	187
2-M	62.4
OTHER PAHs	<MDL
TRPH	2,300

PMW-2	
7/1/2014	
2.20 ~ 12.20'	SCREEN
n-BUTYLB	1.0
E	23.1
ISOP	9.1
p-ISOPT	3.5
n-PROP	3.9
T	3.4
1,2,3-TMB	12.7
1,2,4-TMB	22.4
1,3,5-TMB	5.9
X	16.9
OTHER VOCs	<MDL
ACE	34.6
ACETHY	8.3
ANT	3.7
FL	4.6
F	5.7
NAPH	346
Ph	49.2
Py	10.3
1-M	132
2-M	31.2
OTHER PAHs	<MDL
TRPH	1,600

LEGEND:

- SUBJECT PROPERTY
- APPROXIMATE FORMER/HISTORICAL SITE FEATURES
- PARCEL / LOT BOUNDARIES
- PROPOSED SITE FEATURES
- G — GENERATOR
- D — FORMER DWELLING
- T — FORMER TOOL SHED
- C — FORMER CISTERN
- P — FORMER PUMP HOUSE
- O — FORMER OIL/PUMP HOUSE
- R — FORMER RETORT ROOM
- G — FORMER GASOMETER
- FORMER SOIL BORING
- FORMER MONITORING WELL
- FORMER SOIL BORING
- FORMER SOIL BORING / TEMPORARY MONITORING WELL
- MONITORING WELL

B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	XYLENES
F	FLUORENE
Ph	PHENANTHRENE
Py	PYRENE
ST	STYRENE
FL	FLUORANTHENE
ANT	ANTHRACENE
ACE	ACENAPHTHENE
Chl	CHLOROFORM
ACETHY	ACENAPHTHYLENE
B(a)ANTH	BENZO(a)ANTHRACENE
B(a)PYR	BENZO(a)PYRENE
B(b)FLA	BENZO(b)FLUORANTHENE
B(g,h,i)PER	BENZO(g,h,i)PERYLENE
B(k)FLA	BENZO(k)FLUORANTHENE
1-M	1-METHYLNAPHTHALENE
2-M	2-METHYLNAPHTHALENE
NAPH	NAPHTHALENE
1,2,3-TRI	1,2,3-TRICHLOROPROPANE
1,2,4-TMB	1,2,4-TRIMETHYLBENZENE
1,3,5-TMB	1,3,5-TRIMETHYLBENZENE
1,2,3-TMB	1,2,3-TRIMETHYLBENZENE
I(1,2,3-CD)PY	INDENO(1,2,3,CD)PYRENE
ISOP	ISOPROPYLBENZENE
p-ISOPT	p-ISOPROPYLTOLUENE
n-PROP	n-PROPYLBENZENE
n-BUTYLB	n-BUTYLBENZENE
sec-BUTYLB	sec-BUTYLBENZENE
tert-BUTYLB	tert-BUTYLBENZENE
BROMOD	BROMODICHLOROMETHANE
VOCs	VOLATILE ORGANIC COMPOUNDS
PAHs	POLYNUCLEAR AROMATIC COMPOUNDS
TRPH	TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
MDL	METHOD DETECTION LIMIT
UNITs	µg/L

VALUE EXCEEDS APPLICABLE CRITERIA

NOTES: REFER TO TABLES FOR SPECIFIC COMPOUNDS ANALYZED

N

918 FORT STREET
CITY OF KEY WEST
(FORMER GOVERNMENTAL SLIP)

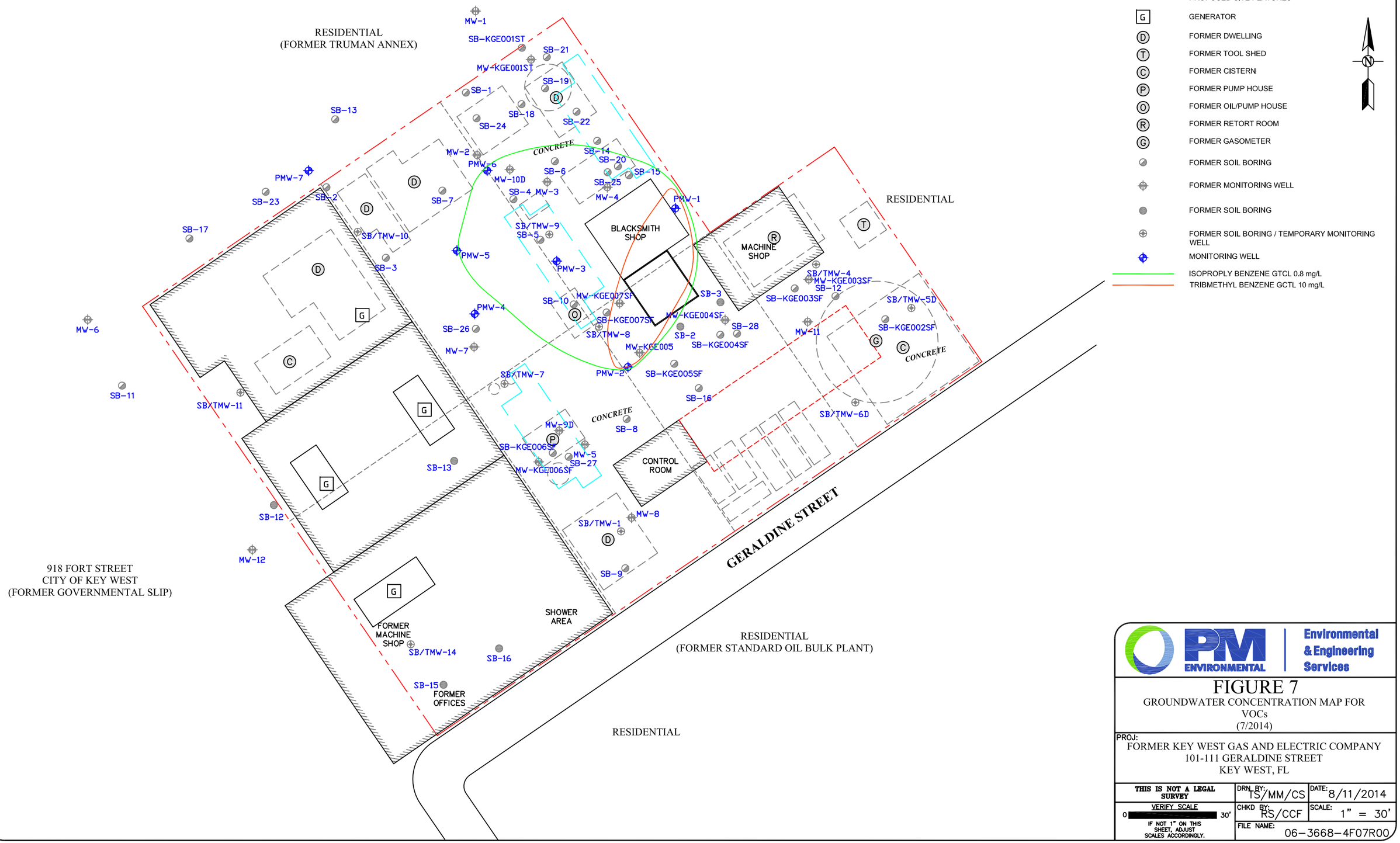
PM ENVIRONMENTAL — Environmental & Engineering Services

FIGURE 6

SOIL BORING/MONITORING WELL LOCATION MAP WITH GROUNDWATER ANALYTICAL RESULTS

PROJ:
FORMER KEY WEST GAS AND ELECTRIC COMPANY
101-111 GERALDINE STREET
KEY WEST, FL

THIS IS NOT A LEGAL SURVEY	DRN. BY: TS/MM/CS	DATE: 7/22/2014
VERIFY SCALE 0 30' IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	CHKD BY: RS/CCF	SCALE: 1" = 30'
	FILE NAME: 06-3668-4F06R02	



LEGEND:

- SUBJECT PROPERTY
- APPROXIMATE FORMER/HISTORICAL SITE FEATURES
- PARCEL / LOT BOUNDARIES
- PROPOSED SITE FEATURES
- G — GENERATOR
- D — FORMER DWELLING
- T — FORMER TOOL SHED
- C — FORMER CISTERN
- P — FORMER PUMP HOUSE
- O — FORMER OIL/PUMP HOUSE
- R — FORMER RETORT ROOM
- G — FORMER GASOMETER
- FORMER SOIL BORING
- FORMER MONITORING WELL
- FORMER SOIL BORING
- FORMER SOIL BORING / TEMPORARY MONITORING WELL
- MONITORING WELL
- ISOPROPLY BENZENE GTCL 0.8 mg/L
- TRIBMETHYL BENZENE GCTL 10 mg/L

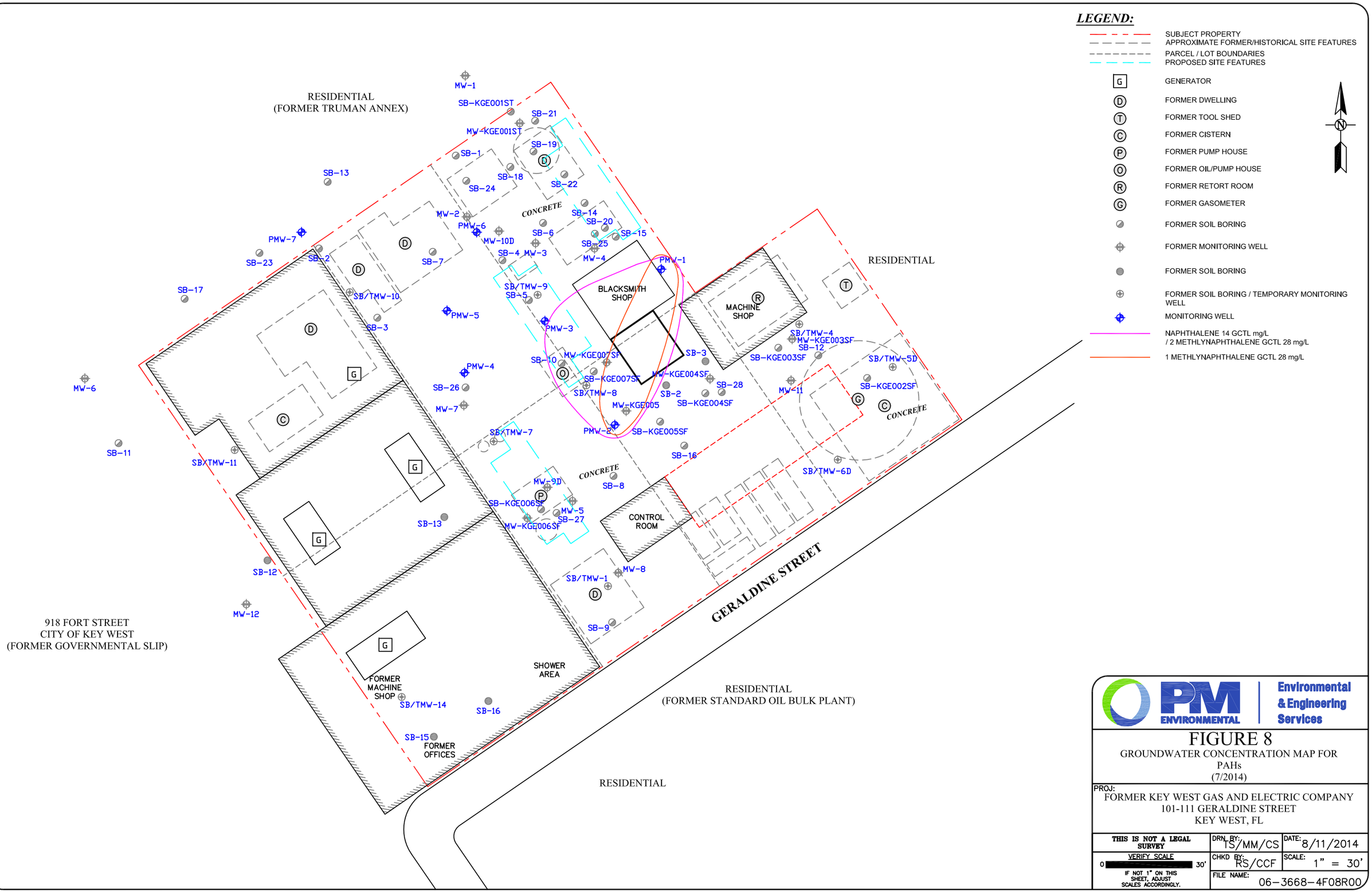
PM ENVIRONMENTAL | Environmental & Engineering Services

FIGURE 7

GROUNDWATER CONCENTRATION MAP FOR VOCs
(7/2014)

PROJ:
FORMER KEY WEST GAS AND ELECTRIC COMPANY
101-111 GERALDINE STREET
KEY WEST, FL

THIS IS NOT A LEGAL SURVEY	DRN BY: TS/MM/CS	DATE: 8/11/2014
VERIFY SCALE 0 — 30' IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	CHKD BY: RS/CCF	SCALE: 1" = 30'
	FILE NAME: 06-3668-4F07R00	



PM ENVIRONMENTAL | Environmental & Engineering Services

FIGURE 8

GROUNDWATER CONCENTRATION MAP FOR PAHs
(7/2014)

PROJ:
FORMER KEY WEST GAS AND ELECTRIC COMPANY
101-111 GERALDINE STREET
KEY WEST, FL

THIS IS NOT A LEGAL SURVEY	DRN. BY: TS/MM/CS	DATE: 8/11/2014
VERIFY SCALE 0 [redacted] 30' IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	CHKD BY: RS/CCF	SCALE: 1" = 30'
	FILE NAME: 06-3668-4F08R00	

Tables

PM ENVIRONMENTAL Environmental & Engineering Services

TABLE 1
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS, POLYNUCLEAR AROMATIC HYDROCARBONS, AND TOTAL RECOVERABLE PETROLEUM HYDROCARBONS
101-111 GERALDINE STREET, KEY WEST, FLORIDA
PM PROJECT NO. 06-3668-4
FDEP Comet Site ID #303264

Volatile Organic Compounds, Polynuclear Aromatic Hydrocarbons, and Total Recoverable Petroluem Hydrocarbons (ug/L)				Acetone	Benzene	Bromobenzene	Bromodichloromethane	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Chloroform	Dibromochloromethane	Ethylbenzene	Isopropyl benzene	p-Isopropyltoluene	n-Propylbenzene	Styrene	Toluene	1,2,3-Trichloropropane	1,2,3-Trimethylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes	Other VOCs	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Dibenzo(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Naphthalene	Phenanthrene	Pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Other PAHs	Total Recoverable Petroleum Hydrocarbons
Chemical Abstract Service Number (CAS #)				67641	71432	108861	75274	104518	135988	98066	67663	124481	100414	98828	99876	103651	100425	108883	96184	526738	95636	108678	1330207	Various	83329	208968	120127	56553	50328	205992	207089	191242	218019	53703	206440	86737	193395	91203	85018	129000	90120	91576	Various	Various
Sample ID	Sample Date	Screen Depth (bgs)	Depth to Groundwater (bgs)	VOCs																					PAHs																				TRPH
PM's Phase II ESA dated October 8, 2013																																												
TMW-1	9/4/2013	2.0-12.0	4.2	5.0 U	0.1 U	0.50 U	**3.7**	4.7	0.50 U	0.50 U	2.7	1.0	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.36 U	1.0 U	0.50 U	0.50 U	0.50 U	ND	0.56	0.33	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	2.4	0.025 U	1.0 U	1.9	0.025 U	1.0 I	1.0 U	ND	280
TMW-4	9/4/2013	2.0-12.0	3.5	9.7 I	0.1 U	0.50 U	**3.5**	0.50 U	0.50 U	0.50 U	2.1	0.26 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.36 U	1.0 U	4.1	0.50 U	0.50 U	ND	0.72	0.18	0.11	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	4.3	0.025 U	0.025 U	1.0 U	1.0 U	ND	66 I
TMW-5D	9/4/2013	20.0-25.0	3.6	5.0 U	0.1 U	0.50 U	0.27 U	0.50 U	0.50 U	0.50 U	0.50 U	0.26 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.36 U	1.0 U	0.50 U	0.50 U	0.50 U	ND	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	1.0 U	0.20	0.025 U	1.0 U	1.0 U	ND	59 U
TMW-6D	9/4/2013	20.0-25.0	4.0	5.0 U	0.1 U	0.50 U	0.27 U	0.50 U	0.50 U	0.50 U	0.50 U	0.26 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.36 U	1.0 U	0.50 U	0.50 U	0.50 U	ND	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	3.0	0.72	0.63	1.0 U	1.0 U	ND	59 U
TMW-7	9/4/2013	2.0-12.0	4.6	5.0 U	0.1 U	0.50 U	**3.1**	5.2	1.1	0.50 U	1.6	0.26 U	0.50 U	**4.6**	0.50 U	5.1	0.50 U	0.50 U	0.36 U	1.0 U	4.1	0.50 U	0.50 U	ND	1.3	0.34	0.12	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	3.0	0.025 U	4.7	2.9	0.025 U	8.7	1.0 U	ND	400
TMW-8	9/4/2013	2.0-12.0	4.4	5.0 U	0.38 I	0.50 U	0.27 U	0.50 U	0.50 U	0.50 U	0.50 U	0.26 U	**296**	**36.4**	10.3	17.6	5.0	5.6	**5.5**	**67.8**	**128**	**66.1**	**224**	ND	40.6	40.2	13.4	2.1	2.1	1.6	0.025 U	0.55	2.2	**0.20**	7.0	57.6	0.36	**2,400**	89.2	16.6	**543**	**560**	ND	**22,000**
TMW-9	9/4/2013	1.7-11.7	3.7	5.0 U	0.1 U	0.50 U	0.27 U	6.0	2.7	0.50 U	0.59 I	0.26 U	0.50 U	**7.3**	0.50 U	9.2	0.50 U	0.50 U	0.36 U	1.1	5.2	0.62 I	0.88 I	ND	2.4	0.65	0.18	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	5.5	0.025 U	**1,190**	5.6	0.025 U	**61.6**	**56.6**	ND	4,200
TMW-10	9/4/2013	2.0-12.0	4.2	5.0 U	0.1 U	0.50 U	0.27 U	6.0	1.9	0.50 U	0.50 U	0.26 U	0.50 U	**5.3**	0.50 U	7.5	0.50 U	0.50 U	0.36 U	1.0 U	0.50 U	0.50 U	0.50 U	ND	2.4	0.82	0.15	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	5.4	0.025 U	1.0 I	6.3	0.025 U	**133**	**140**	ND	3,300
TMW-11	9/4/2013	2.0-12.0	4.6	5.0 U	0.1 U	0.50 U	0.27 U	0.50 U	0.50 U	0.50 U	0.50 U	0.26 U	0.50 U	**3.1**	0.50 U	2.4	0.50 U	0.50 U	0.36 U	1.0 U	0.50 U	0.50 U	0.50 U	ND	1.1	0.20	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	1.7	0.025 U	2.1	1.9	0.025 U	11.8	4.7	ND	240
TMW-14	9/4/2013	1.3-11.3	2.7	5.0 U	0.1 U	0.50 U	0.27 U	0.50 U	0.50 U	0.50 U	0.50 U	0.26 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.36 U	1.0 U	0.50 U	0.50 U	0.50 U	ND	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	1.0 U	0.025 U	0.025 U	1.0 U	1.0 U	ND	60 U
Site Assessment																																												
PMW-1	1/28/2014	1.90-11.90	4.7	10.0 U	0.21 I	0.50 U	0.27 U	3.0	0.50 U	0.50 U	0.50 U	0.26 U	3.3	**48.4**	5.6	15.7	1.4	1.1	**2.4**	**61.6**	**86.3**	**85.2**	**71.9**	ND	14.4	27.5	4.6	**0.16**	0.025 U	0.027 I	0.028 I	0.025 U	0.18	0.025 U	2.4	21.0	0.025 U	**1,480**	41.7	4.9	**259**	**335**	ND	**6,300**
	7/1/2014		4.65	10.0 U	0.10 U	1.4	0.27 U	3.0	0.50 U	0.50 U	0.50 U	0.26 U	2.5	**43.6**	4.9	14.6	0.50 U	3.5	0.59 U	**54.7**	**49**	**74.9**	**49.7**	ND	11.3	12	2.9	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.92	13.3	0.025 U	**1,390**	35.2	2.5	**123**	**121**	ND	3,700
PMW-2	1/28/2014	2.20-12.20	4.0	10.0 U	0.11 I	0.50 U	0.27 U	0.88 I	1.4	0.50 U	0.50 U	0.26 U	**38.4**	**12.0**	3.8	4.5	0.50 I	1.0	0.36 U	**18.7**	**29.0**	7.1	**26.9**	ND	**37.1**	11.2	5.5	**0.54**	0.14	**0.12**	0.025 U	0.043 I	0.49	0.025 U	5.8	9.7	0.026 I	**219**	55.0	12.1	**187**	**62.4**	ND	2,300
	7/1/2014		4.0	10.0 U	0.10 U	0.50 U	0.27 U	1.0	0.50 U	0.50 U	0.50 U	0.26 U	23.1	**9.1**	3.5	3.9	0.50 U	3.4	0.59 U	**12.7**	**22.4**	5.9	16.9	ND	**34.6**	8.3	3.7	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	4.6	5.7	0.025 U	**346**	49.2	10.3	**132**	**31.2**	ND	1,600
PMW-3	1/28/2014	2.25-12.25	4.0	13.0 I	0.10 U	0.50 U	**0.69**	1.4	1.8	0.50 U	1.0	0.26 U	0.50 U	**4.4**	0.50 U	6.4	0.50 U	0.50 U	0.36 U	1.1	0.50 U	0.50 U	0.50 U	ND	2.2	0.60	0.35	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.035 I	0.025 U	0.51	4.0	0.025 U	2.6	4.4	0.88	**55.1**	**55.2**	ND	930
	7/1/2014		3.7	10.0 U	0.10 U	0.50 U	0.27 U	0.89 I	1.7	0.56 I	0.50 U	0.26 U	0.50 U	**2.8**	0.50 U	3.6	0.50 U	0.50 U	0.59 U	1.0 U	0.50 U	0.50 U	0.50 U	ND	2.1	0.5	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	3.4	0.025 U	1.0 U	2.0	0.025 U	**32.2**	7.5	ND	660
PMW-4	1/28/2014	2.30-12.30	4.2	10.0 U	0.10 U	0.50 U	0.27 U	0.50 U	0.84 I	0.50 U	0.50 U	0.26 U	0.50 U	0.50 U	0.50 U	1.5	0.50 U	0.50 U	0.36 U	1.0 U	0.50 U	0.50 U	0.50 U	ND	0.48	0.18	0.12	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.047 I	1.1	0.025 U	1.0 U	0.37	0.072 I	1.0 U	1.0 U	ND	230
	7/1/2014		3.95	10.0 U	0.10 U	0.50 U	0.27 U	0.50 U	0.50 U	0.50 U	0.50 U	0.26 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.59 U	1.0 U	0.50 U	0.50 U	0.50 U	ND	0.046 I	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	1.0 U	0.025 U	0.025 U	1.0 U	1.0 U	ND	60 U
PMW-5	1/28/2014	2.30-12.30	4.3	10.9 I	0.10 U	0.50 U	0.27 U	0.85 I	2.0	0.51 I	1.3	0.26 U	0.50 U	**3.6**	0.50 U	4.9	0.50 U	0.50 U	0.36 U	1.0 U	0.50 U	0.50 U	0.50 U	ND	1.0	0.36	0.21	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.049 I	2.4	0.025 U	1.0 U	2.6	0.12	**35.5**	**46.6**	ND	810
	7/1/2014		3.7	10.0 U	0.10 U	0.50 U	0.27 U	0.50 U	1.3	0.50 U	0.50 U	0.50 U	0.50 U	**1.3**	0.50 U	1.2	0.50 U	0.50 U	0.59 U	1.0 U	0.50 U	0.50 U	0.50 U	ND	0.68	0.21	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	1.7	0.025 U	1.0 U	0.025 U	0.025 U	9.8	5.7	ND	340
PMW-6	1/28/2014	2.10-12.10	4.0	10.0 U	0.10 U	0.50 U	0.27 U	1.7	2.4	0.54 I	0.50 U	0.26 U	0.50 U	**3.9**	0.50 U	6.4	0.50 U	0.50 U	0.36 U	1.2	0.50 U	0.50 U	0.50 U	ND	2.1	0.67	0.28	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.077 I	3.9	0.025 U	2.6	4.2	0.10	**61.0**	**88.5**	ND	1,700
	7/1/2014		3.4	10.0 U	0.10 U	0.50 U	0.27 U	0.50 U	0.78 I	0.66 I	0.50 U	0.26 U	0.50 U	**0.81 I**	0.50 U	0.50 U	0.50 U	0.50 U	0.59 U	1.0 U	0.50 U	0.50 U	0.50 U	ND	0.98	0.22	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	1.4	0.025 U	1.0 U	0.72	0.025 U	8.3	1.2 I	ND	420
PMW-7	1/28/2014	2.25-12.25	3.6	11.6 I	0.10 U	0.50 U	0.27 U	0.50 U	0.78 I	0.50 U	0.50 U	0.26 U	0.50 U	**1.1**	0.50 U	2.7	0.50 U	0.50 U	0.36 U	1.0 U	0.50 U	0.50 U	0.50 U	ND	0.42	0.16	0.094 I	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	1.0	0.025 U	1.0 U	1.1	0.036 I	11.1	12.6	ND	340
	7/1/2014		3.0	10.0 U	0.10 U	0.50 U	0.27 U	0.50 U	0.50 U	0.50 U	0.50 U	0.26 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.59 U	1.0 U	0.50 U	0.50 U	0.50 U	ND	0.058 I	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.090 I	0.025 U	1.0 U	0.025 U	0.025 U	1.0 U	1.0 U	ND	60 U
Groundwater Cleanup Target Levels Chapter 62-777 of the Florida Administrative Code																																												
Groundwater Criteria				6,300	1	NL	0.6	NL	280	NL	70	0.4	30	0.8	NL	NL	100	40	0.02	10	10	10	20	Various	20	210	2,100	0.05	0.2	0.05	0.5	210	4.8	0.005	280	280	0.05	14	210	210	28	28	Various	5,000
Natural Attenuation Default Concentrations				63,000	100	NL	60	NL	2,800	NL	700	40	300	8	NL	NL	1,000	400	2	100	100	100	200	Various	200	2,100	21,000	5	20	5	50	2,100	480	0.5	2,800	2,800	5	140	2,100	2,100	280	280	Various	50,000

Applicable Criteria Exceeded

BOLD Value Exceeds Applicable Criteria

ug/L Micrograms per Liter

bgs Below Ground Surface (feet)

ND Not detected at levels above the laboratory Method Detection Limit (MDL) or Minimum Quantitative Level (MQL)

I The reported value is between the laboratory MDL and the laboratory practical quantitation limit

U Indicates the compound was analyzed for, but not detected

NL Not Listed

Appendix A

PM ENVIRONMENTAL Environmental & Engineering Services

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

SOUTH DISTRICT
P.O. BOX 2549
FORT MYERS, FL 33902-2549

RICK SCOTT
GOVERNOR

CARLOS LOPEZ-CANTERA
LT. GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

March 13, 2014

VIA ELECTRONIC MAIL

Mr. Stanley Rzad
Keys Energy Services
1001 James Street
P.O. Box 6100
Key West, Florida 33041
E-mailed to: Stanley.rzad@keysenergy.com

Subject: Monroe County – WC
Former Key West Gas and Electric Company
101-111 Geraldine Street, Key West, Florida 33040
Waste Cleanup Tracking Number: COM_303264

Dear Mr. Rzad:

The Waste Cleanup Program – South District CAP has reviewed the Site Assessment Report and First Quarterly Monitoring Only Plan (SAR/MOP), dated March 10, 2014 (received March 11, 2014), prepared and submitted by PM Environmental, Inc. (PM). The document submitted is incomplete. Please respond to the comments and recommendations in the Department's March 13, 2014 memorandum (enclosed) by September 11, 2014.

Whenever possible, please submit your written response(s) electronically to FTM.Tanks.Cleanup@dep.state.fl.us. If there are any questions, please contact Mark A. Sautter at (239) 344-5690 or Mark.Sautter@dep.state.fl.us.

Sincerely,

Charles A. Masella (Charles.Masella@dep.state.fl.us)
Waste Cleanup Program – South District CAP

CAM/MAS/rcd

Enclosure: (1) March 13, 2014 Department Interoffice Memorandum

cc: Candace Chin Fatt – PM (ChinFatt@pmenv.com)
Elliot J. Nightingale, P.G. – PM (Nightingale@pmenv.com)

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

SOUTH DISTRICT
P.O. BOX 2549
FORT MYERS, FL 33902-2549

RICK SCOTT
GOVERNOR

CARLOS LOPEZ-CANTERA
LT. GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

To: **Charles A. Masella**
Waste Cleanup Program – South District CAP

From: **Mark A. Sautter**
Waste Cleanup Program – South District CAP

Date: **March 13, 2014**

Subject: **Monroe County – WC**
Site Assessment Report
Former Key West Gas and Electric Company
101-111 Geraldine Street
Key West, Florida 33040
Waste Cleanup Tracking Number: COM_303264

The Florida Department of Environmental Protection's Waste Cleanup Program – South District CAP has conducted a technical review of the Site Assessment Report (SAR) for the Former Key West Gas and Electric Company facility. The submittal was generated by PM Environmental, Inc. (PM), and received by the Department on March 11, 2014. Site activities were initiated to address the petroleum contaminant confirmed through an October 8, 2013 Phase II Environmental Site Assessment (PH II ESA).

On September 4, 2013, PM personnel supervised the installation of advancement of sixteen (16) soil borings (SB-1 through SB-16) and the installation of ten (10) temporary groundwater monitoring wells (TMW-1, TMW-4, TMW-5D, TMW-6D, TMW-7 through TMW-11, and TMW-14). PM personnel collected sixteen (16) soil samples and ten (10) groundwater samples. The collected samples were submitted for laboratory analysis for Volatile Organic Compounds (VOCs), Polycyclic Aromatic Hydrocarbons (PAHs), Total Recoverable Petroleum Hydrocarbons (TRPH), Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, and Silver. The laboratory analytical data reported concentrations of PAHs, TRPH, and Metals in excess of their respective Florida Administrative Code (F.A.C.) Rule 62-777 Soil Cleanup Target Levels (SCTLs) and VOCs, PAHs, and TRPH in concentrations exceeding their respective F.A.C. Rule 62-777 Groundwater Cleanup Target Levels (GCTLs) and/or Natural Attenuation Default Concentrations (NADCs).

Based upon the findings of the PH II ESA, PM recommended that a Site Assessment (SA) be performed and, on January 27, 2014, PM personnel supervised the installation of seven (7) permanent groundwater monitoring wells (PMW-1 through PMW-7). Groundwater samples were collected from the newly installed wells on January 28, 2014. The collected samples were submitted for laboratory analysis by EPA Method 8260B for VOCs, EPA Method 8270C for PAHs, and by the Florida Residual Petroleum Organics (FL-PRO) Method for Total Recoverable Petroleum Hydrocarbons (TRPH).

The laboratory analytical data reported Isopropyl Benzene (Cumene) in PMW-1, PMW-2, PMW-3, PMW-5, PMW-6, and PMW-7 at 48.4 micrograms per liter (µg/l), 12.0 µg/l, 4.4 µg/l, 3.6 µg/l, 3.9 µg/l, and 1.1 µg/l, respectively. These concentrations exceed the GCTL of 0.8 µg/l. In addition, the concentrations detected in PMW-1 and PMW-2 exceed the NADC of 8 µg/l. Bromodichloromethane was detected in PMW-3 at 0.69 µg/l. This concentration exceeds the GCTL of 0.6 µg/l. Ethylbenzene was detected in MW-2 at 38.8 µg/l. This concentration exceeds the GCTL of 30 µg/l. 1,2,3-Trichloropropane was detected in PMW-1 at 2.4 µg/l. This concentration exceeds the GCTL of 0.02 µg/l and the NADC of 2 µg/l. However, when this value is rounded in accordance with the memorandum issued by the Director of the Division of Waste Management, Jorge Caspary, the resulting concentration is 2 µg/l; equal to, but not exceeding the NADC. 1,2,3-Trimethylbenzene was detected in PMW-1 and PMW-2 at 61.6 µg/l and 18.7 µg/l, respectively. These concentrations exceed the GCTL of 10. 1,2,4-Trimethylbenzene was detected in PMW-1 and PMW-2 at 86.3 µg/l and 29 µg/l, respectively. These concentrations exceed the GCTL of 10 µg/l. 1,3,5-Trimethylbenzene was detected in PMW-1 at 85.2 µg/l. This concentration exceeds the GCTL of 10 µg/l. Total Xylenes were detected in PMW-1 and PMW-2 at 71.9 µg/l and 26.9 µg/l, respectively. These concentrations exceed the GCTL of 20 µg/l. Acenaphthene was detected in PMW-2 at 37.1 µg/l. This concentration exceeds the GCTL of 20 µg/l. Benzo(a)anthracene was detected in PMW-1 and PMW-2 at 0.16 µg/l and 0.54 µg/l, respectively. These concentrations exceed the GCTL of 0.05 µg/l. Benzo(b)fluoranthene was detected in PMW-2 at 0.12 µg/l. This concentration exceeds the GCTL of 0.05 µg/l. Naphthalene was detected in PMW-1 and PMW-2 at 1,480 µg/l and 219 µg/l, respectively. These concentrations exceed the GCTL of 14 µg/l and the NADC of 140 µg/l. 1-Methylnaphthalene was detected in PMW-1, PMW-2, PMW-3, PMW-5, and PMW-6 at 259 µg/l, 187 µg/l, 55.1 µg/l, 35.5 µg/l, and 61.0 µg/l, respectively. These concentrations exceed the GCTL of 28 µg/l. 2-Methylnaphthalene was detected in PMW-1, PMW-2, PMW-3, PMW-5, and PMW-6 at 335 µg/l, 62.4 µg/l, 55.2 µg/l, 46.6 µg/l, and 88.5 µg/l, respectively. These concentrations exceed the GCTL of 28 µg/l. In addition, the concentration detected in PMW-1 exceeds the NADC of 280 µg/l. TRPH was detected in PMW-1 at 6,300 µg/l. This concentration exceeds the GCTL of 5,000 µg/l.

Summary:
The Waste Cleanup Program – South District CAP has completed our technical review of the Site Assessment Report (SAR) for the Former Key West Gas and Electric Company and has found the report to be incomplete. The work performed by the environmental consultant does not conform to the standards of a Site Assessment Report (SAR) as defined by F.A.C. Rule 62.780.600. The noted deficiencies include:

- Environmental impacts to the soil, although confirmed in the PH II ESA, were not addressed or delineated in the SA;

- The combining of isocontour lines does not provide a clear understanding of the extent of groundwater impacts. Separate lines for each major contaminant should be presented;

- The isocontour line for 1-Methylnphthalene and 2-Methylnaphthalene does not include TMW-10, even though concentrations in excess of GCTLs were detected in this area in the PH II ESA;

- The isocontour lines for 1-Methylnaphthalene and 2-Methylnaphthalene and for the Trimethylbenzenes do not appear to be delineated by "clean" water samples in any direction;

- The "delineated" areas of groundwater impacts do not include Isopropyl Benzene (Cumene), which appears to be present throughout the subject site. The Cumene impacts must be fully delineated;

- Additional analytes, including Bromodichloromethane, Ethylbenzene, Xylenes, Acenaphthene, Benzo(a)anthracene, Benzo(b)fluoranthene, Naphthalene, and TRPH, were detected in the PH II ESA and confirmed in the SA, but were not addressed in Figure 4 (Groundwater Concentration Map). If an analyte is detected in more than one (1) groundwater monitoring well, it should be presented on the Groundwater Concentration Map.

Additional assessment activities will be required to fully delineate the environmental impacts to the soil and the groundwater at this site. The findings of the additional work should be submitted to the Department in the form of a **Site Assessment Report – Status Report** by September 11, 2014.

In addition, the recommendation for a Monitoring Only Plan (MOP) is premature. Following the approval of the SAR, the environmental consultant should consider and evaluate several remedial options. If, at that time, it is agreed that active remediation is not feasible and/or economically viable, the environmental consultant should submit a Remedial Action Plan (RAP) recommending a Natural Attenuation Monitoring Plan (NAMP).

Candace Chin Fatt

From: Masella, Charles <Charles.Masella@dep.state.fl.us>
Sent: Thursday, October 31, 2013 1:30 PM
To: Candace Chin Fatt
Cc: McLaurin, Albert; Sautter, Mark
Subject: COM_303264 Former Key West Gas and Eletric Company

October 31, 2013

Candace Chin Fatt
PM Environmental, Inc.
954-924-1801
ChinFatt@pmenv.com

Re: Phase II ESA Discussion
Former Key West Gas & Electric
Monroe County
COM_303264

Dear Ms. Chin Fatt:

Pursuant to out telephone conversation this afternoon, the primary constituents that are of a concern are the petroleum product components and residues. In the submittal received on October 17, 2013 by the South District, it appears that there are three monitoring well positions (TMW-8, TMW-9, and TMW-10) that indicate significant exceedances over Chapter 62-777 F.A.C. Groundwater Cleanup Target Levels (GCTLs). These constituents are Ethylbenzene, and Naphthalene (also 1 & 2-Methylnaphthalenes). The BaPs are breakdown (daughter components) and may attenuate. We further see readings for Lead and Arsenic, but although exceeding criteria, are not significant at this time, and may be addressed following delineation of the petroleum product plume.

The area of greater concern is the ellipse that includes TMW-8, TMW-9, and TMW-10. I would suggest concentrating groundwater remediation efforts in this part of the property. Careful over-pumping proceeding groundwater collection might assist in the removal to the Polynuclear Aromatic Hydrocarbons (PAHs) in the upper watertable, and speed the volatilization of the Ethylbenzene.

As for soils, they are a secondary issue, due to the abundance of sand and limerock (possibly vugular, or oolitic in composition) on the site. Plus the gradient may be alternating due to the proximity of the surrounding water-body, so we would not expect you to labor too much on exact determination of directional issues. In the event you expect to encounter elevated Total Recoverable Petroleum Hydrocarbons (TRPHs), I would suggest analysis through Fractionation or Speciation. This may indicate a carbon concentration within criteria.

You may proceed with your assessment without the submittal of a work plan to the Department. The assessment should be conducted pursuant to Chapter 62-780 F.A.C.

Charles A. Masella
FDEP-SD CAP WC/TK
239-344-5667
Charles.Masella@dep.state.fl.us

From: Candace Chin Fatt [mailto:ChinFatt@pmenv.com]
Sent: Thursday, October 17, 2013 3:48 PM
To: Masella, Charles
Subject: Former Key West Gas and Eletric COmpany-COM_303264

Charles,

I think these may be of help to you. I had all the previous boring and monitoring wells locations included with my sample locations. Enjoy!

Thanks
Candace

Candace Chin Fatt | *Project Geologist*
PM ENVIRONMENTAL, INC.
2131 Hollywood Boulevard
Unit No. 503 | Hollywood, FL 33020 | www.pmenv.com
p: 954-924-1801 | **f:** 877-884-6775 | **c:** 305-898-1825 | ChinFatt@pmenv.com
Environmental & Engineering Services Nationwide

Appendix B

PM ENVIRONMENTAL Environmental & Engineering Services

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Key West Gas + Electric Co	SITE LOCATION: 101-111 Grosbeine St.	
WELL NO: PMW-1	SAMPLE ID: PMW-1	DATE: 7/1/14

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.375	WELL SCREEN INTERVAL DEPTH: 1.9 feet to 11.9 feet	STATIC DEPTH TO WATER (feet): 4.65	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (11.9 feet – 4.65 feet) X 0.16 gallons/foot = 1.16 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.9	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.0	PURGING INITIATED AT: 805	PURGING ENDED AT: 855	TOTAL VOLUME PURGED (gallons): 325

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
815	1.0	1.0	0.1	4.65	—	—	—	—	—	opaque	hydro
820	0.5	1.5			2.67	26.83	0.719	34.7	144		petro
825	0.25	1.75	0.05		2.59	26.88	0.642	31.3	240	"	"
830	0.25	2.0	0.05		2.61	26.88	0.603	30.7	96.3	"	"
835	0.25	2.25	0.05		2.63	26.87	0.567	24.5	59.6	"	"
840	0.25	2.5			2.64	26.88	0.540	22.9	43.6	"	"
845	0.25	2.75			2.66	26.89	0.519	20.9	31.3	clear	"
850	0.25	3.0			2.69	26.91	0.504	20.2	30.9	"	"
855	0.25	3.25			2.71	26.91	0.492	19.1	34.5	"	"

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Candace Chin-Tatt / PM	SAMPLER(S) SIGNATURE(S): C Chin-Tatt	SAMPLING INITIATED AT: 855	SAMPLING ENDED AT: 902
PUMP OR TUBING DEPTH IN WELL (feet): 9.0	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
PMW-1	3	CG	40mL	HCl	120	2.71	VOCs	APP	
	1	AG	1L	H_2SO_4	1,000		TRPH	RFPP	
	1	AG	500mL	None	500		PAH	RFPP	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Key West Gas + Electric Co	SITE LOCATION: 101-111 Geraldine St.	
WELL NO: PMCO-2	SAMPLE ID: PMCO-2	DATE: 7/1/14

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.38	WELL SCREEN INTERVAL DEPTH: 2.2 feet to 12.2 feet	STATIC DEPTH TO WATER (feet): 4.0	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)
= (12.2 feet – 4.0 feet) X 0.16 gallons/foot = 1.31 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.0	PURGING INITIATED AT: 920	PURGING ENDED AT: 1000	TOTAL VOLUME PURGED (gallons): 4.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
930	1.0	1.0	0.1	4.0	—	—	—	—	—	opaque	slight
935	0.5	0.5			3.00	27.16	0.435	12.2	88.6	N	sulfur
940	0.5	2.0			3.12	27.06	0.434	9.6	53.5	"	"
945	0.5	2.5			3.17	27.06	0.432	9.0	33.1	clear	"
950	0.5	3.0			3.22	27.19	0.433	8.2	19.0	"	"
955	0.5	3.5			3.23	27.27	0.433	7.7	16.7	"	"
1000	0.5	4.0			3.31	27.11	0.429	7.2	11.8	"	"

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Candace Chiutatt/AM	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1000	SAMPLING ENDED AT: 1007
PUMP OR TUBING DEPTH IN WELL (feet): 9.0	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
PMCO	1	AG	1L	H_2SO_4	1,000	3.31	TRPH	APP	
2	1	AG	500mL	None	500	1	PAH	APP	
	3	OG	40mL	HCl	120		VOCs	RFPP	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Key West Gas + Electric Co	SITE LOCATION: 101 - 111 Geraldine St.	
WELL NO: PMW-3	SAMPLE ID: PMW-3	DATE: 7/1/14

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.375	WELL SCREEN INTERVAL DEPTH: 22 feet to 12 feet	STATIC DEPTH TO WATER (feet): 3.7	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (12.2 feet – 3.7 feet) X 0.16 gallons/foot = 1.36 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.0	PURGING INITIATED AT: 1015	PURGING ENDED AT: 1050	TOTAL VOLUME PURGED (gallons): 3.5

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1025	1.0	1.0	0.1	3.7	—	—	—	— 15.3	—	clear	none
1030	0.5	1.5			3.31	27.47	0.482	0.482	400	opaque	"
1035	0.5	2.0			3.02	27.43	0.472	12.5	365	"	slight
1040	0.5	2.5			3.02	27.34	0.463	12.2	500	"	petro
1045	0.5	3.0			2.91	27.28	0.454	9.5	589	"	"
1050	0.5	3.5			2.91	27.32	0.448	9.6	555	"	"

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Candace Chieffo / PM	SAMPLER(S) SIGNATURE(S): C. Chieffo	SAMPLING INITIATED AT: 1050	SAMPLING ENDED AT: 1057
PUMP OR TUBING DEPTH IN WELL (feet): 9.0	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
PMW-3	1	AG	1L	H_2SO_4	1,000	2.91	TRPH	APP	
3	1	AG	500mL	None	500		PAH	APP	
	3	CG	40mL	HCl	120		VOCs	RFPP	

REMARKS: High Turbidity

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Key West Gas + Electric Co.	SITE LOCATION: 101 - 111 Geraldine Street	
WELL NO: PMW-4	SAMPLE ID: PMW-4	DATE: 7/1/14

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.375	WELL SCREEN INTERVAL DEPTH: 2.45 feet to 12.45 feet	STATIC DEPTH TO WATER (feet): 3.95	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (12.45 feet – 3.95 feet) X 0.16 gallons/foot = 1.36 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.0	PURGING INITIATED AT: 1105	PURGING ENDED AT: 1130	TOTAL VOLUME PURGED (gallons): 1.8

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1115	0.75	0.75	0.07	3.95	—	—	—	—	—	clear	none
1120	0.35	1.20			2.62	27.52	0.342	14.2	166	"	"
1125	0.35	1.45			2.68	27.52	0.337	13.8	150	"	"
1130	0.35	1.80			2.51	27.56	0.335	12.4	144	"	"

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Candace Chatfield/PM	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1130	SAMPLING ENDED AT: 1137
PUMP OR TUBING DEPTH IN WELL (feet): 9.0	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
PMW-	1	AG	1L	H_2SO_4	1,000	2.51	TRPH	APP	
4	1	AG	500mL	None	500	1	PAH	APP	
	3	CG	40mL	HCl	120	1	VOCs	RFPP	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Key West Gas + Electric	SITE LOCATION: 101-111 Greenline St.	
WELL NO: PMW-5	SAMPLE ID: PMW-5	DATE: 7/1/14

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.375	WELL SCREEN INTERVAL DEPTH: 2.35 feet to 12.35 feet	STATIC DEPTH TO WATER (feet): 3.7	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (12.35 feet − 3.7 feet) X 0.16 gallons/foot = 1.38 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.3	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.0	PURGING INITIATED AT: 1150	PURGING ENDED AT: 1230	TOTAL VOLUME PURGED (gallons): 4.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or (%) saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1150	1.0	1.0	0.1	3.7	—	—	—	—	—	clear	oil
1205	0.5	1.5			2.64	27.20	0.672	19.3	112	cl	diesel
1210	0.5	2.0			2.54	27.18	0680	15.4	86.2	black	odor
1215	0.5	2.5			2.55	27.16	0687	14.8	27.7	tint	"
1220	0.5	3.0			2.50	27.16	0.692	16.0	19.3	"	"
1225	0.5	3.5			2.57	27.10	0.695	16.0	17.9	"	"
1230	0.5	4.0			2.57	27.05	0.697	15.9	17.1	"	"

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Cassandra Chinfatt / PM	SAMPLER(S) SIGNATURE(S): C Cassandra	SAMPLING INITIATED AT: 1230	SAMPLING ENDED AT: 1237
PUMP OR TUBING DEPTH IN WELL (feet): 9.0	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm

FIELD DECONTAMINATION: PUMP (Y) N TUBING Y (N replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
PMW5	1	AG	1L	H_2SO_4	1,000	2.57	TPH	APP	
	1	AG	500ml	None	500		PAH	APP	
	3	CG	40ml	HCl	120		VOC	RFPP	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Key West Gas + Electric Co.	SITE LOCATION: 101-111 Geraldine St.	
WELL NO: PMW-6	SAMPLE ID: PMW-6	DATE: 7/1/14

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.375	WELL SCREEN INTERVAL DEPTH: 2.0 feet to 12.0 feet	STATIC DEPTH TO WATER (feet): 3.4	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (12.0 feet – 3.4 feet) X 0.16 gallons/foot = 1.38 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.0	PURGING INITIATED AT: 1245	PURGING ENDED AT: 1315	TOTAL VOLUME PURGED (gallons): 3.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (mS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1255	1.0	1.0	0.1	3.4	—	—	—	—	—	black	old
1300	0.5	1.5	"	"	2.63	27.21	0.513	22.0	683	tint	diesel
1305	0.5	2.0	"	"	2.62	27.22	0.510	18.6	325	and	"
1310	0.5	2.5	"	"	2.66	27.18	0.509	17.5	206	opaque	"
1315	0.5	3.0	"	"	2.67	27.23	0.510	15.6	132	"	"

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Candace Chin Faith/PM	SAMPLER(S) SIGNATURE(S): C. Chin Faith	SAMPLING INITIATED AT: 1315	SAMPLING ENDED AT: 1322
PUMP OR TUBING DEPTH IN WELL (feet): 9.0	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP (Y) N	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
PMW-6	1	AG	1L	H_2SO_4	1,000	2.67	TRPH	APP	
	1	AG	500mL	None	500	7	PAH	APP	
	3	CG	40mL	HCl	120	7	VOCs	RFPP	

REMARKS: High Turbidity

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Key West Gas + Electric Co	SITE LOCATION:	101-111 Caroline St.
WELL NO:	PMW-7	SAMPLE ID:	PMW-7
DATE:	7/1/14		

PURGING DATA

WELL DIAMETER (inches):	2.0	TUBING DIAMETER (inches):	0.375	WELL SCREEN INTERVAL DEPTH:	2.2 feet to 12.2 feet	STATIC DEPTH TO WATER (feet):	3.0	PURGE PUMP TYPE OR BAILER:	PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable)

= (12.2 feet – 3.0 feet) X 0.16 gallons/foot = 1.47 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	12.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	9.0	PURGING INITIATED AT:	1330	PURGING ENDED AT:	1400	TOTAL VOLUME PURGED (gallons):	3.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or (%) saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1340	1.0	1.0	0.1	3.0	—	—	—	—	—	clear	none
1345	0.5	1.5			2.76	21.41	0.497	22.8	113.2	"	"
1350	0.5	2.0			2.69	21.44	0.495	18.2	19.3	"	"
1355	0.5	2.5			2.26	21.36	0.492	16.5	13.8	"	"
1400	0.5	3.0			2.59	21.39	0.490	15.5	8.95	"	"

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	Candace Chinfatt / PAL	SAMPLER(S) SIGNATURE(S):	C. Chinfatt	SAMPLING INITIATED AT:	1400	SAMPLING ENDED AT:	1407
PUMP OR TUBING DEPTH IN WELL (feet):	9.0	TUBING MATERIAL CODE:	PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:		FILTER SIZE: ____ µm	
FIELD DECONTAMINATION: PUMP (Y) N		TUBING Y (N) (replaced)		DUPLICATE: Y (N)			

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
PMW-7	1	AG	1L	H_2SO_4	1,000	2.39	TRPH	APP	
7	1	AG	500mL	None	500	1	PAH	APP	
	3	CG	40mL	HCl	120		VOCs	RFPP	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Appendix C

PM ENVIRONMENTAL Environmental & Engineering Services

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

July 15, 2014

Candace Chin Fatt
PM Environmental
2131 Hollywood Blvd, Ste 503
Hollywood, FL 33020

RE: Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Dear Candace Fatt:
Enclosed are the analytical results for sample(s) received by the laboratory on July 03, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Christina Raschke
christina.raschke@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

CERTIFICATIONS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
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
Massachusetts Certification #: M-FL1264
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 #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
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
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

SAMPLE SUMMARY

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35144585001	**PMW-1**	Water	07/01/14 08:55	07/03/14 12:15
35144585002	**PMW-2**	Water	07/01/14 10:00	07/03/14 12:15
35144585003	**PMW-3**	Water	07/01/14 10:50	07/03/14 12:15
35144585004	**PMW-4**	Water	07/01/14 11:30	07/03/14 12:15
35144585005	**PMW-5**	Water	07/01/14 12:30	07/03/14 12:15
35144585006	**PMW-6**	Water	07/01/14 13:15	07/03/14 12:15
35144585007	**PMW-7**	Water	07/01/14 14:00	07/03/14 12:15

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SAMPLE ANALYTE COUNT

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35144585001	**PMW-1**	FL-PRO	IRL	3	PASI-O
		EPA 8270 by SIM	EAO, TWB	20	PASI-O
		EPA 8260	SK	79	PASI-O
35144585002	**PMW-2**	FL-PRO	IRL	3	PASI-O
		EPA 8270 by SIM	EAO, TWB	20	PASI-O
		EPA 8260	SK	79	PASI-O
35144585003	**PMW-3**	FL-PRO	IRL	3	PASI-O
		EPA 8270 by SIM	TWB	20	PASI-O
		EPA 8260	SK	79	PASI-O
35144585004	**PMW-4**	FL-PRO	IRL	3	PASI-O
		EPA 8270 by SIM	TWB	20	PASI-O
		EPA 8260	SK	79	PASI-O
35144585005	**PMW-5**	FL-PRO	IRL	3	PASI-O
		EPA 8270 by SIM	TWB	20	PASI-O
		EPA 8260	SK	79	PASI-O
35144585006	**PMW-6**	FL-PRO	IRL	3	PASI-O
		EPA 8270 by SIM	TWB	20	PASI-O
		EPA 8260	SK	79	PASI-O
35144585007	**PMW-7**	FL-PRO	IRL	3	PASI-O
		EPA 8270 by SIM	TWB	20	PASI-O
		EPA 8260	SK	79	PASI-O

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Sample: PMW-1 **Lab ID: 35144585001** Collected: 07/01/14 08:55 Received: 07/03/14 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Water	Analytical Method: FL-PRO Preparation Method: EPA 3510								
Petroleum Range Organics	**3.7**	mg/L	0.10	0.060	1	07/08/14 20:00	07/09/14 05:34		
Surrogates									
o-Terphenyl (S)	106	%	82-142		1	07/08/14 20:00	07/09/14 05:34	84-15-1	
N-Pentatriacontane (S)	107	%	42-159		1	07/08/14 20:00	07/09/14 05:34	630-07-09	
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**11.3**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 14:52	83-32-9	
Acenaphthylene	**12.0**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 14:52	208-96-8	
Anthracene	**2.9**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 14:52	120-12-7	
Benzo(a)anthracene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 14:52	56-55-3	
Benzo(a)pyrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 14:52	50-32-8	
Benzo(b)fluoranthene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 14:52	205-99-2	
Benzo(g,h,i)perylene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 14:52	191-24-2	
Benzo(k)fluoranthene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 14:52	207-08-9	
Chrysene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 14:52	218-01-9	
Dibenz(a,h)anthracene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 14:52	53-70-3	
Fluoranthene	**0.92**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 14:52	206-44-0	
Fluorene	**13.3**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 14:52	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 14:52	193-39-5	
1-Methylnaphthalene	**123**	ug/L	10.0	5.0	5	07/08/14 22:30	07/10/14 03:11	90-12-0	
2-Methylnaphthalene	**121**	ug/L	10.0	5.0	5	07/08/14 22:30	07/10/14 03:11	91-57-6	
Naphthalene	**416**	ug/L	10.0	5.0	5	07/08/14 22:30	07/10/14 03:11	91-20-3	
Phenanthrene	**35.2**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 14:52	85-01-8	J(L2)
Pyrene	**2.5**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 14:52	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	71	%	18-110		1	07/08/14 22:30	07/09/14 14:52	321-60-8	
Terphenyl-d14 (S)	79	%	18-123		1	07/08/14 22:30	07/09/14 14:52	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	630-20-6	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	71-55-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		07/08/14 13:22	79-34-5	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	79-00-5	
1,1,2-Trichlorotrifluoroethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	76-13-1	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	75-34-3	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	75-35-4	
1,1-Dichloropropene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	563-58-6	
1,2,3-Trichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	87-61-6	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		07/08/14 13:22	96-18-4	
1,2,3-Trimethylbenzene	**54.7**	ug/L	1.0	1.0	1		07/08/14 13:22	526-73-8	
1,2,4-Trichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	120-82-1	
1,2,4-Trimethylbenzene	**49.0**	ug/L	1.0	0.50	1		07/08/14 13:22	95-63-6	
1,2-Dibromo-3-chloropropane	**1.0U**	ug/L	2.0	1.0	1		07/08/14 13:22	96-12-8	
1,2-Dibromoethane (EDB)	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	106-93-4	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	95-50-1	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	107-06-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Sample: PMW-1 **Lab ID: 35144585001** Collected: 07/01/14 08:55 Received: 07/03/14 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichloroethene (Total)	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	540-59-0	N2
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	78-87-5	
1,3,5-Trimethylbenzene	**74.9**	ug/L	1.0	0.50	1		07/08/14 13:22	108-67-8	
1,3-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	541-73-1	
1,3-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	142-28-9	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	106-46-7	
2,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	594-20-7	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		07/08/14 13:22	78-93-3	
2-Chloroethylvinyl ether	**0.50U**	ug/L	10.0	0.50	1		07/08/14 13:22	110-75-8	
2-Chlorotoluene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	95-49-8	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		07/08/14 13:22	591-78-6	
4-Chlorotoluene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	106-43-4	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		07/08/14 13:22	108-10-1	
Acetone	**10.0U**	ug/L	20.0	10.0	1		07/08/14 13:22	67-64-1	
Acetonitrile	**5.0U**	ug/L	10.0	5.0	1		07/08/14 13:22	75-05-8	
Acrolein	**10.0U**	ug/L	20.0	10.0	1		07/08/14 13:22	107-02-8	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		07/08/14 13:22	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		07/08/14 13:22	71-43-2	
Bromobenzene	**1.4**	ug/L	1.0	0.50	1		07/08/14 13:22	108-86-1	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		07/08/14 13:22	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	74-83-9	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		07/08/14 13:22	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		07/08/14 13:22	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		07/08/14 13:22	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	74-95-3	
Dichlorodifluoromethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	75-71-8	
Ethylbenzene	**2.5**	ug/L	1.0	0.50	1		07/08/14 13:22	100-41-4	
Hexachloro-1,3-butadiene	**0.40U**	ug/L	1.0	0.40	1		07/08/14 13:22	87-68-3	L3
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	74-88-4	
Isopropylbenzene (Cumene)	**43.6**	ug/L	1.0	0.50	1		07/08/14 13:22	98-82-8	
Methyl-tert-butyl ether	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	1634-04-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		07/08/14 13:22	75-09-2	
Naphthalene	**1390**	ug/L	100	50.0	100		07/09/14 19:08	91-20-3	
Styrene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	100-42-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	127-18-4	
Toluene	**3.5**	ug/L	1.0	0.50	1		07/08/14 13:22	108-88-3	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	75-69-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		07/08/14 13:22	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Sample: PMW-1 **Lab ID: 35144585001** Collected: 07/01/14 08:55 Received: 07/03/14 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Xylene (Total)	**49.7**	ug/L	1.0	0.50	1		07/08/14 13:22	1330-20-7	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	156-59-2	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		07/08/14 13:22	10061-01-5	
m&p-Xylene	**4.0**	ug/L	1.0	0.50	1		07/08/14 13:22	179601-23-1	
n-Butylbenzene	**3.0**	ug/L	1.0	0.50	1		07/08/14 13:22	104-51-8	J(L1)
n-Propylbenzene	**14.6**	ug/L	1.0	0.50	1		07/08/14 13:22	103-65-1	
o-Xylene	**45.8**	ug/L	1.0	0.50	1		07/08/14 13:22	95-47-6	
p-Isopropyltoluene	**4.9**	ug/L	1.0	0.50	1		07/08/14 13:22	99-87-6	
sec-Butylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	135-98-8	L3
tert-Butylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	98-06-6	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:22	156-60-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		07/08/14 13:22	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		07/08/14 13:22	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	70-114		1		07/08/14 13:22	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	86-125		1		07/08/14 13:22	17060-07-0	
Toluene-d8 (S)	106	%	87-113		1		07/08/14 13:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Sample: PMW-2 **Lab ID: 35144585002** Collected: 07/01/14 10:00 Received: 07/03/14 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Water	Analytical Method: FL-PRO Preparation Method: EPA 3510								
Petroleum Range Organics	**1.6**	mg/L	0.10	0.059	1	07/08/14 20:00	07/09/14 05:34		
Surrogates									
o-Terphenyl (S)	73	%	82-142		1	07/08/14 20:00	07/09/14 05:34	84-15-1	J(S5)
N-Pentatriacontane (S)	70	%	42-159		1	07/08/14 20:00	07/09/14 05:34	630-07-09	
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**34.6**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:14	83-32-9	
Acenaphthylene	**8.3**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:14	208-96-8	
Anthracene	**3.7**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:14	120-12-7	
Benzo(a)anthracene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:14	56-55-3	
Benzo(a)pyrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:14	50-32-8	
Benzo(b)fluoranthene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:14	205-99-2	
Benzo(g,h,i)perylene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:14	191-24-2	
Benzo(k)fluoranthene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:14	207-08-9	
Chrysene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:14	218-01-9	
Dibenz(a,h)anthracene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:14	53-70-3	
Fluoranthene	**4.6**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:14	206-44-0	
Fluorene	**5.7**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:14	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:14	193-39-5	
1-Methylnaphthalene	**132**	ug/L	10.0	5.0	5	07/08/14 22:30	07/10/14 03:34	90-12-0	
2-Methylnaphthalene	**31.2**	ug/L	2.0	1.0	1	07/08/14 22:30	07/09/14 15:14	91-57-6	
Naphthalene	**97.5**	ug/L	2.0	1.0	1	07/08/14 22:30	07/09/14 15:14	91-20-3	
Phenanthrene	**49.2**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:14	85-01-8	J(L2)
Pyrene	**10.3**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:14	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	72	%	18-110		1	07/08/14 22:30	07/09/14 15:14	321-60-8	
Terphenyl-d14 (S)	58	%	18-123		1	07/08/14 22:30	07/09/14 15:14	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	630-20-6	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	71-55-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		07/08/14 13:47	79-34-5	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	79-00-5	
1,1,2-Trichlorotrifluoroethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	76-13-1	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	75-34-3	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	75-35-4	
1,1-Dichloropropene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	563-58-6	
1,2,3-Trichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	87-61-6	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		07/08/14 13:47	96-18-4	
1,2,3-Trimethylbenzene	**12.7**	ug/L	1.0	1.0	1		07/08/14 13:47	526-73-8	
1,2,4-Trichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	120-82-1	
1,2,4-Trimethylbenzene	**22.4**	ug/L	1.0	0.50	1		07/08/14 13:47	95-63-6	
1,2-Dibromo-3-chloropropane	**1.0U**	ug/L	2.0	1.0	1		07/08/14 13:47	96-12-8	
1,2-Dibromoethane (EDB)	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	106-93-4	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	95-50-1	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	107-06-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Sample: PMW-2 **Lab ID: 35144585002** Collected: 07/01/14 10:00 Received: 07/03/14 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichloroethene (Total)	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	540-59-0	N2
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	78-87-5	
1,3,5-Trimethylbenzene	**5.9**	ug/L	1.0	0.50	1		07/08/14 13:47	108-67-8	
1,3-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	541-73-1	
1,3-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	142-28-9	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	106-46-7	
2,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	594-20-7	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		07/08/14 13:47	78-93-3	
2-Chloroethylvinyl ether	**0.50U**	ug/L	10.0	0.50	1		07/08/14 13:47	110-75-8	
2-Chlorotoluene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	95-49-8	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		07/08/14 13:47	591-78-6	
4-Chlorotoluene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	106-43-4	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		07/08/14 13:47	108-10-1	
Acetone	**10.0U**	ug/L	20.0	10.0	1		07/08/14 13:47	67-64-1	
Acetonitrile	**5.0U**	ug/L	10.0	5.0	1		07/08/14 13:47	75-05-8	
Acrolein	**10.0U**	ug/L	20.0	10.0	1		07/08/14 13:47	107-02-8	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		07/08/14 13:47	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		07/08/14 13:47	71-43-2	
Bromobenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	108-86-1	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		07/08/14 13:47	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	74-83-9	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		07/08/14 13:47	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		07/08/14 13:47	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		07/08/14 13:47	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	74-95-3	
Dichlorodifluoromethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	75-71-8	
Ethylbenzene	**23.1**	ug/L	1.0	0.50	1		07/08/14 13:47	100-41-4	
Hexachloro-1,3-butadiene	**0.40U**	ug/L	1.0	0.40	1		07/08/14 13:47	87-68-3	L3
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	74-88-4	
Isopropylbenzene (Cumene)	**9.1**	ug/L	1.0	0.50	1		07/08/14 13:47	98-82-8	
Methyl-tert-butyl ether	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	1634-04-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		07/08/14 13:47	75-09-2	
Naphthalene	**346**	ug/L	50.0	25.0	50		07/09/14 19:33	91-20-3	
Styrene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	100-42-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	127-18-4	
Toluene	**3.4**	ug/L	1.0	0.50	1		07/08/14 13:47	108-88-3	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	75-69-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		07/08/14 13:47	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Sample: PMW-2 **Lab ID: 35144585002** Collected: 07/01/14 10:00 Received: 07/03/14 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Xylene (Total)	**16.9**	ug/L	1.0	0.50	1		07/08/14 13:47	1330-20-7	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	156-59-2	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		07/08/14 13:47	10061-01-5	
m&p-Xylene	**11.3**	ug/L	1.0	0.50	1		07/08/14 13:47	179601-23-1	
n-Butylbenzene	**1.0**	ug/L	1.0	0.50	1		07/08/14 13:47	104-51-8	J(L1)
n-Propylbenzene	**3.9**	ug/L	1.0	0.50	1		07/08/14 13:47	103-65-1	
o-Xylene	**5.6**	ug/L	1.0	0.50	1		07/08/14 13:47	95-47-6	
p-Isopropyltoluene	**3.5**	ug/L	1.0	0.50	1		07/08/14 13:47	99-87-6	
sec-Butylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	135-98-8	L3
tert-Butylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	98-06-6	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 13:47	156-60-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		07/08/14 13:47	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		07/08/14 13:47	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	70-114		1		07/08/14 13:47	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	86-125		1		07/08/14 13:47	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		07/08/14 13:47	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Sample: PMW-3 **Lab ID: 35144585003** Collected: 07/01/14 10:50 Received: 07/03/14 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Water	Analytical Method: FL-PRO Preparation Method: EPA 3510								
Petroleum Range Organics	**0.66**	mg/L	0.10	0.061	1	07/08/14 20:00	07/09/14 06:39		
Surrogates									
o-Terphenyl (S)	91	%	82-142		1	07/08/14 20:00	07/09/14 06:39	84-15-1	
N-Pentatriacontane (S)	85	%	42-159		1	07/08/14 20:00	07/09/14 06:39	630-07-09	
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**2.1**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:37	83-32-9	
Acenaphthylene	**0.50**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:37	208-96-8	
Anthracene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:37	120-12-7	
Benzo(a)anthracene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:37	56-55-3	
Benzo(a)pyrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:37	50-32-8	
Benzo(b)fluoranthene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:37	205-99-2	
Benzo(g,h,i)perylene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:37	191-24-2	
Benzo(k)fluoranthene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:37	207-08-9	
Chrysene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:37	218-01-9	
Dibenz(a,h)anthracene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:37	53-70-3	
Fluoranthene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:37	206-44-0	
Fluorene	**3.4**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:37	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:37	193-39-5	
1-Methylnaphthalene	**32.2**	ug/L	2.0	1.0	1	07/08/14 22:30	07/09/14 15:37	90-12-0	
2-Methylnaphthalene	**7.5**	ug/L	2.0	1.0	1	07/08/14 22:30	07/09/14 15:37	91-57-6	
Naphthalene	**1.0U**	ug/L	2.0	1.0	1	07/08/14 22:30	07/09/14 15:37	91-20-3	
Phenanthrene	**2.0**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:37	85-01-8	J(L2)
Pyrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:37	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	74	%	18-110		1	07/08/14 22:30	07/09/14 15:37	321-60-8	
Terphenyl-d14 (S)	77	%	18-123		1	07/08/14 22:30	07/09/14 15:37	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	630-20-6	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	71-55-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		07/10/14 02:05	79-34-5	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	79-00-5	
1,1,2-Trichlorotrifluoroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	76-13-1	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	75-34-3	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	75-35-4	
1,1-Dichloropropene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	563-58-6	
1,2,3-Trichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	87-61-6	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		07/10/14 02:05	96-18-4	
1,2,3-Trimethylbenzene	**1.0U**	ug/L	1.0	1.0	1		07/10/14 02:05	526-73-8	
1,2,4-Trichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	120-82-1	
1,2,4-Trimethylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	95-63-6	
1,2-Dibromo-3-chloropropane	**1.0U**	ug/L	2.0	1.0	1		07/10/14 02:05	96-12-8	
1,2-Dibromoethane (EDB)	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	106-93-4	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	95-50-1	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	107-06-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Sample: PMW-3 **Lab ID: 35144585003** Collected: 07/01/14 10:50 Received: 07/03/14 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichloroethene (Total)	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	540-59-0	N2
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	78-87-5	
1,3,5-Trimethylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	108-67-8	
1,3-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	541-73-1	
1,3-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	142-28-9	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	106-46-7	
2,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	594-20-7	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		07/10/14 02:05	78-93-3	
2-Chloroethylvinyl ether	**0.50U**	ug/L	10.0	0.50	1		07/10/14 02:05	110-75-8	
2-Chlorotoluene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	95-49-8	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		07/10/14 02:05	591-78-6	
4-Chlorotoluene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	106-43-4	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		07/10/14 02:05	108-10-1	
Acetone	**10.0U**	ug/L	20.0	10.0	1		07/10/14 02:05	67-64-1	
Acetonitrile	**5.0U**	ug/L	10.0	5.0	1		07/10/14 02:05	75-05-8	
Acrolein	**10.0U**	ug/L	20.0	10.0	1		07/10/14 02:05	107-02-8	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		07/10/14 02:05	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		07/10/14 02:05	71-43-2	
Bromobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	108-86-1	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		07/10/14 02:05	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	74-83-9	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		07/10/14 02:05	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		07/10/14 02:05	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		07/10/14 02:05	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	74-95-3	
Dichlorodifluoromethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	75-71-8	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	100-41-4	
Hexachloro-1,3-butadiene	**0.40U**	ug/L	1.0	0.40	1		07/10/14 02:05	87-68-3	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	74-88-4	
Isopropylbenzene (Cumene)	**2.8**	ug/L	1.0	0.50	1		07/10/14 02:05	98-82-8	
Methyl-tert-butyl ether	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	1634-04-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		07/10/14 02:05	75-09-2	
Naphthalene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	91-20-3	
Styrene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	100-42-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	108-88-3	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	75-69-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		07/10/14 02:05	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Sample: PMW-3 **Lab ID: 35144585003** Collected: 07/01/14 10:50 Received: 07/03/14 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	1330-20-7	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	156-59-2	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		07/10/14 02:05	10061-01-5	
m&p-Xylene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	179601-23-1	
n-Butylbenzene	**0.89 I**	ug/L	1.0	0.50	1		07/10/14 02:05	104-51-8	
n-Propylbenzene	**3.6**	ug/L	1.0	0.50	1		07/10/14 02:05	103-65-1	
o-Xylene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	95-47-6	
p-Isopropyltoluene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	99-87-6	
sec-Butylbenzene	**1.7**	ug/L	1.0	0.50	1		07/10/14 02:05	135-98-8	
tert-Butylbenzene	**0.56 I**	ug/L	1.0	0.50	1		07/10/14 02:05	98-06-6	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:05	156-60-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		07/10/14 02:05	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		07/10/14 02:05	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-114		1		07/10/14 02:05	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	86-125		1		07/10/14 02:05	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		07/10/14 02:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Sample: PMW-4 **Lab ID: 35144585004** Collected: 07/01/14 11:30 Received: 07/03/14 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Water	Analytical Method: FL-PRO Preparation Method: EPA 3510								
Petroleum Range Organics	**0.060U**	mg/L	0.10	0.060	1	07/08/14 20:00	07/09/14 06:39		
Surrogates									
o-Terphenyl (S)	73	%	82-142		1	07/08/14 20:00	07/09/14 06:39	84-15-1	P2,S7
N-Pentatriacontane (S)	66	%	42-159		1	07/08/14 20:00	07/09/14 06:39	630-07-09	
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.046 I**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:59	83-32-9	
Acenaphthylene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:59	208-96-8	
Anthracene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:59	120-12-7	
Benzo(a)anthracene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:59	56-55-3	
Benzo(a)pyrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:59	50-32-8	
Benzo(b)fluoranthene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:59	205-99-2	
Benzo(g,h,i)perylene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:59	191-24-2	
Benzo(k)fluoranthene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:59	207-08-9	
Chrysene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:59	218-01-9	
Dibenz(a,h)anthracene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:59	53-70-3	
Fluoranthene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:59	206-44-0	
Fluorene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:59	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:59	193-39-5	
1-Methylnaphthalene	**1.0U**	ug/L	2.0	1.0	1	07/08/14 22:30	07/09/14 15:59	90-12-0	
2-Methylnaphthalene	**1.0U**	ug/L	2.0	1.0	1	07/08/14 22:30	07/09/14 15:59	91-57-6	
Naphthalene	**1.0U**	ug/L	2.0	1.0	1	07/08/14 22:30	07/09/14 15:59	91-20-3	
Phenanthrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:59	85-01-8	J(L2)
Pyrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 15:59	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	74	%	18-110		1	07/08/14 22:30	07/09/14 15:59	321-60-8	
Terphenyl-d14 (S)	77	%	18-123		1	07/08/14 22:30	07/09/14 15:59	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	630-20-6	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	71-55-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		07/10/14 02:30	79-34-5	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	79-00-5	
1,1,2-Trichlorotrifluoroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	76-13-1	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	75-34-3	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	75-35-4	
1,1-Dichloropropene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	563-58-6	
1,2,3-Trichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	87-61-6	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		07/10/14 02:30	96-18-4	
1,2,3-Trimethylbenzene	**1.0U**	ug/L	1.0	1.0	1		07/10/14 02:30	526-73-8	
1,2,4-Trichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	120-82-1	
1,2,4-Trimethylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	95-63-6	
1,2-Dibromo-3-chloropropane	**1.0U**	ug/L	2.0	1.0	1		07/10/14 02:30	96-12-8	
1,2-Dibromoethane (EDB)	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	106-93-4	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	95-50-1	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	107-06-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Sample: PMW-4 **Lab ID: 35144585004** Collected: 07/01/14 11:30 Received: 07/03/14 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichloroethene (Total)	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	540-59-0	N2
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	78-87-5	
1,3,5-Trimethylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	108-67-8	
1,3-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	541-73-1	
1,3-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	142-28-9	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	106-46-7	
2,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	594-20-7	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		07/10/14 02:30	78-93-3	
2-Chloroethylvinyl ether	**0.50U**	ug/L	10.0	0.50	1		07/10/14 02:30	110-75-8	
2-Chlorotoluene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	95-49-8	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		07/10/14 02:30	591-78-6	
4-Chlorotoluene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	106-43-4	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		07/10/14 02:30	108-10-1	
Acetone	**10.0U**	ug/L	20.0	10.0	1		07/10/14 02:30	67-64-1	
Acetonitrile	**5.0U**	ug/L	10.0	5.0	1		07/10/14 02:30	75-05-8	
Acrolein	**10.0U**	ug/L	20.0	10.0	1		07/10/14 02:30	107-02-8	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		07/10/14 02:30	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		07/10/14 02:30	71-43-2	
Bromobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	108-86-1	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		07/10/14 02:30	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	74-83-9	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		07/10/14 02:30	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		07/10/14 02:30	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		07/10/14 02:30	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	74-95-3	
Dichlorodifluoromethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	75-71-8	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	100-41-4	
Hexachloro-1,3-butadiene	**0.40U**	ug/L	1.0	0.40	1		07/10/14 02:30	87-68-3	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	74-88-4	
Isopropylbenzene (Cumene)	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	98-82-8	
Methyl-tert-butyl ether	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	1634-04-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		07/10/14 02:30	75-09-2	
Naphthalene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	91-20-3	
Styrene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	100-42-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	108-88-3	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	75-69-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		07/10/14 02:30	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Sample: PMW-4 **Lab ID: 35144585004** Collected: 07/01/14 11:30 Received: 07/03/14 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	1330-20-7	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	156-59-2	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		07/10/14 02:30	10061-01-5	
m&p-Xylene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	179601-23-1	
n-Butylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	104-51-8	
n-Propylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	103-65-1	
o-Xylene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	95-47-6	
p-Isopropyltoluene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	99-87-6	
sec-Butylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	135-98-8	
tert-Butylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	98-06-6	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:30	156-60-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		07/10/14 02:30	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		07/10/14 02:30	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-114		1		07/10/14 02:30	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	86-125		1		07/10/14 02:30	17060-07-0	
Toluene-d8 (S)	101	%	87-113		1		07/10/14 02:30	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Sample: PMW-5 **Lab ID: 35144585005** Collected: 07/01/14 12:30 Received: 07/03/14 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Water	Analytical Method: FL-PRO Preparation Method: EPA 3510								
Petroleum Range Organics	**0.34**	mg/L	0.10	0.059	1	07/08/14 20:00	07/09/14 07:11		
Surrogates									
o-Terphenyl (S)	99	%	82-142		1	07/08/14 20:00	07/09/14 07:11	84-15-1	
N-Pentatriacontane (S)	95	%	42-159		1	07/08/14 20:00	07/09/14 07:11	630-07-09	
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.68**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:22	83-32-9	
Acenaphthylene	**0.21**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:22	208-96-8	
Anthracene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:22	120-12-7	
Benzo(a)anthracene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:22	56-55-3	
Benzo(a)pyrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:22	50-32-8	
Benzo(b)fluoranthene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:22	205-99-2	
Benzo(g,h,i)perylene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:22	191-24-2	
Benzo(k)fluoranthene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:22	207-08-9	
Chrysene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:22	218-01-9	
Dibenz(a,h)anthracene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:22	53-70-3	
Fluoranthene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:22	206-44-0	
Fluorene	**1.7**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:22	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:22	193-39-5	
1-Methylnaphthalene	**9.8**	ug/L	2.0	1.0	1	07/08/14 22:30	07/09/14 16:22	90-12-0	
2-Methylnaphthalene	**5.7**	ug/L	2.0	1.0	1	07/08/14 22:30	07/09/14 16:22	91-57-6	
Naphthalene	**1.0U**	ug/L	2.0	1.0	1	07/08/14 22:30	07/09/14 16:22	91-20-3	
Phenanthrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:22	85-01-8	J(L2)
Pyrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:22	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	74	%	18-110		1	07/08/14 22:30	07/09/14 16:22	321-60-8	
Terphenyl-d14 (S)	80	%	18-123		1	07/08/14 22:30	07/09/14 16:22	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	630-20-6	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	71-55-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		07/10/14 02:56	79-34-5	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	79-00-5	
1,1,2-Trichlorotrifluoroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	76-13-1	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	75-34-3	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	75-35-4	
1,1-Dichloropropene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	563-58-6	
1,2,3-Trichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	87-61-6	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		07/10/14 02:56	96-18-4	
1,2,3-Trimethylbenzene	**1.0U**	ug/L	1.0	1.0	1		07/10/14 02:56	526-73-8	
1,2,4-Trichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	120-82-1	
1,2,4-Trimethylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	95-63-6	
1,2-Dibromo-3-chloropropane	**1.0U**	ug/L	2.0	1.0	1		07/10/14 02:56	96-12-8	
1,2-Dibromoethane (EDB)	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	106-93-4	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	95-50-1	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	107-06-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Sample: PMW-5 **Lab ID: 35144585005** Collected: 07/01/14 12:30 Received: 07/03/14 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichloroethene (Total)	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	540-59-0	N2
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	78-87-5	
1,3,5-Trimethylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	108-67-8	
1,3-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	541-73-1	
1,3-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	142-28-9	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	106-46-7	
2,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	594-20-7	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		07/10/14 02:56	78-93-3	
2-Chloroethylvinyl ether	**0.50U**	ug/L	10.0	0.50	1		07/10/14 02:56	110-75-8	
2-Chlorotoluene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	95-49-8	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		07/10/14 02:56	591-78-6	
4-Chlorotoluene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	106-43-4	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		07/10/14 02:56	108-10-1	
Acetone	**10.0U**	ug/L	20.0	10.0	1		07/10/14 02:56	67-64-1	
Acetonitrile	**5.0U**	ug/L	10.0	5.0	1		07/10/14 02:56	75-05-8	
Acrolein	**10.0U**	ug/L	20.0	10.0	1		07/10/14 02:56	107-02-8	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		07/10/14 02:56	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		07/10/14 02:56	71-43-2	
Bromobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	108-86-1	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		07/10/14 02:56	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	74-83-9	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		07/10/14 02:56	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		07/10/14 02:56	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		07/10/14 02:56	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	74-95-3	
Dichlorodifluoromethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	75-71-8	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	100-41-4	
Hexachloro-1,3-butadiene	**0.40U**	ug/L	1.0	0.40	1		07/10/14 02:56	87-68-3	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	74-88-4	
Isopropylbenzene (Cumene)	**1.3**	ug/L	1.0	0.50	1		07/10/14 02:56	98-82-8	
Methyl-tert-butyl ether	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	1634-04-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		07/10/14 02:56	75-09-2	
Naphthalene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	91-20-3	
Styrene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	100-42-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	108-88-3	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	75-69-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		07/10/14 02:56	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Sample: PMW-5 **Lab ID: 35144585005** Collected: 07/01/14 12:30 Received: 07/03/14 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	1330-20-7	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	156-59-2	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		07/10/14 02:56	10061-01-5	
m&p-Xylene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	179601-23-1	
n-Butylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	104-51-8	
n-Propylbenzene	**1.2**	ug/L	1.0	0.50	1		07/10/14 02:56	103-65-1	
o-Xylene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	95-47-6	
p-Isopropyltoluene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	99-87-6	
sec-Butylbenzene	**1.3**	ug/L	1.0	0.50	1		07/10/14 02:56	135-98-8	
tert-Butylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	98-06-6	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 02:56	156-60-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		07/10/14 02:56	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		07/10/14 02:56	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-114		1		07/10/14 02:56	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	86-125		1		07/10/14 02:56	17060-07-0	
Toluene-d8 (S)	101	%	87-113		1		07/10/14 02:56	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Sample: PMW-6 **Lab ID: 35144585006** Collected: 07/01/14 13:15 Received: 07/03/14 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Water	Analytical Method: FL-PRO Preparation Method: EPA 3510								
Petroleum Range Organics	**0.42**	mg/L	0.10	0.059	1	07/08/14 20:00	07/09/14 07:11		
Surrogates									
o-Terphenyl (S)	75	%	82-142		1	07/08/14 20:00	07/09/14 07:11	84-15-1	J(S5)
N-Pentatriacontane (S)	65	%	42-159		1	07/08/14 20:00	07/09/14 07:11	630-07-09	
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.98**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:44	83-32-9	
Acenaphthylene	**0.22**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:44	208-96-8	
Anthracene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:44	120-12-7	
Benzo(a)anthracene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:44	56-55-3	
Benzo(a)pyrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:44	50-32-8	
Benzo(b)fluoranthene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:44	205-99-2	
Benzo(g,h,i)perylene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:44	191-24-2	
Benzo(k)fluoranthene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:44	207-08-9	
Chrysene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:44	218-01-9	
Dibenz(a,h)anthracene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:44	53-70-3	
Fluoranthene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:44	206-44-0	
Fluorene	**1.4**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:44	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:44	193-39-5	
1-Methylnaphthalene	**8.3**	ug/L	2.0	1.0	1	07/08/14 22:30	07/09/14 16:44	90-12-0	
2-Methylnaphthalene	**1.2 I**	ug/L	2.0	1.0	1	07/08/14 22:30	07/09/14 16:44	91-57-6	
Naphthalene	**1.0U**	ug/L	2.0	1.0	1	07/08/14 22:30	07/09/14 16:44	91-20-3	
Phenanthrene	**0.72**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:44	85-01-8	J(L2)
Pyrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 16:44	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	73	%	18-110		1	07/08/14 22:30	07/09/14 16:44	321-60-8	
Terphenyl-d14 (S)	82	%	18-123		1	07/08/14 22:30	07/09/14 16:44	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	630-20-6	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	71-55-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		07/10/14 03:21	79-34-5	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	79-00-5	
1,1,2-Trichlorotrifluoroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	76-13-1	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	75-34-3	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	75-35-4	
1,1-Dichloropropene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	563-58-6	
1,2,3-Trichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	87-61-6	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		07/10/14 03:21	96-18-4	
1,2,3-Trimethylbenzene	**1.0U**	ug/L	1.0	1.0	1		07/10/14 03:21	526-73-8	
1,2,4-Trichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	120-82-1	
1,2,4-Trimethylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	95-63-6	
1,2-Dibromo-3-chloropropane	**1.0U**	ug/L	2.0	1.0	1		07/10/14 03:21	96-12-8	
1,2-Dibromoethane (EDB)	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	106-93-4	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	95-50-1	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	107-06-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Sample: PMW-6 **Lab ID: 35144585006** Collected: 07/01/14 13:15 Received: 07/03/14 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichloroethene (Total)	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	540-59-0	N2
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	78-87-5	
1,3,5-Trimethylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	108-67-8	
1,3-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	541-73-1	
1,3-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	142-28-9	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	106-46-7	
2,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	594-20-7	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		07/10/14 03:21	78-93-3	
2-Chloroethylvinyl ether	**0.50U**	ug/L	10.0	0.50	1		07/10/14 03:21	110-75-8	
2-Chlorotoluene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	95-49-8	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		07/10/14 03:21	591-78-6	
4-Chlorotoluene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	106-43-4	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		07/10/14 03:21	108-10-1	
Acetone	**10.0U**	ug/L	20.0	10.0	1		07/10/14 03:21	67-64-1	
Acetonitrile	**5.0U**	ug/L	10.0	5.0	1		07/10/14 03:21	75-05-8	
Acrolein	**10.0U**	ug/L	20.0	10.0	1		07/10/14 03:21	107-02-8	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		07/10/14 03:21	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		07/10/14 03:21	71-43-2	
Bromobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	108-86-1	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		07/10/14 03:21	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	74-83-9	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		07/10/14 03:21	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		07/10/14 03:21	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		07/10/14 03:21	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	74-95-3	
Dichlorodifluoromethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	75-71-8	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	100-41-4	
Hexachloro-1,3-butadiene	**0.40U**	ug/L	1.0	0.40	1		07/10/14 03:21	87-68-3	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	74-88-4	
Isopropylbenzene (Cumene)	**0.81 I**	ug/L	1.0	0.50	1		07/10/14 03:21	98-82-8	
Methyl-tert-butyl ether	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	1634-04-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		07/10/14 03:21	75-09-2	
Naphthalene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	91-20-3	
Styrene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	100-42-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	108-88-3	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	75-69-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		07/10/14 03:21	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Sample: PMW-6 **Lab ID: 35144585006** Collected: 07/01/14 13:15 Received: 07/03/14 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	1330-20-7	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	156-59-2	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		07/10/14 03:21	10061-01-5	
m&p-Xylene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	179601-23-1	
n-Butylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	104-51-8	
n-Propylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	103-65-1	
o-Xylene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	95-47-6	
p-Isopropyltoluene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	99-87-6	
sec-Butylbenzene	**0.78 I**	ug/L	1.0	0.50	1		07/10/14 03:21	135-98-8	
tert-Butylbenzene	**0.66 I**	ug/L	1.0	0.50	1		07/10/14 03:21	98-06-6	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/10/14 03:21	156-60-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		07/10/14 03:21	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		07/10/14 03:21	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-114		1		07/10/14 03:21	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	86-125		1		07/10/14 03:21	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		07/10/14 03:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Sample: PMW-7 **Lab ID: 35144585007** Collected: 07/01/14 14:00 Received: 07/03/14 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
FL-PRO Water	Analytical Method: FL-PRO Preparation Method: EPA 3510								
Petroleum Range Organics	**0.060U**	mg/L	0.10	0.060	1	07/08/14 20:00	07/09/14 07:42		
Surrogates									
o-Terphenyl (S)	98	%	82-142		1	07/08/14 20:00	07/09/14 07:42	84-15-1	
N-Pentatriacontane (S)	102	%	42-159		1	07/08/14 20:00	07/09/14 07:42	630-07-09	
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.058 I**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 17:07	83-32-9	
Acenaphthylene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 17:07	208-96-8	
Anthracene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 17:07	120-12-7	
Benzo(a)anthracene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 17:07	56-55-3	
Benzo(a)pyrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 17:07	50-32-8	
Benzo(b)fluoranthene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 17:07	205-99-2	
Benzo(g,h,i)perylene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 17:07	191-24-2	
Benzo(k)fluoranthene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 17:07	207-08-9	
Chrysene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 17:07	218-01-9	
Dibenz(a,h)anthracene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 17:07	53-70-3	
Fluoranthene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 17:07	206-44-0	
Fluorene	**0.090 I**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 17:07	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 17:07	193-39-5	
1-Methylnaphthalene	**1.0U**	ug/L	2.0	1.0	1	07/08/14 22:30	07/09/14 17:07	90-12-0	
2-Methylnaphthalene	**1.0U**	ug/L	2.0	1.0	1	07/08/14 22:30	07/09/14 17:07	91-57-6	
Naphthalene	**1.0U**	ug/L	2.0	1.0	1	07/08/14 22:30	07/09/14 17:07	91-20-3	
Phenanthrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 17:07	85-01-8	J(L2)
Pyrene	**0.025U**	ug/L	0.10	0.025	1	07/08/14 22:30	07/09/14 17:07	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	78	%	18-110		1	07/08/14 22:30	07/09/14 17:07	321-60-8	
Terphenyl-d14 (S)	79	%	18-123		1	07/08/14 22:30	07/09/14 17:07	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	630-20-6	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	71-55-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		07/08/14 15:51	79-34-5	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	79-00-5	
1,1,2-Trichlorotrifluoroethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	76-13-1	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	75-34-3	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	75-35-4	
1,1-Dichloropropene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	563-58-6	
1,2,3-Trichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	87-61-6	
1,2,3-Trichloropropane	**0.59U**	ug/L	1.0	0.59	1		07/08/14 15:51	96-18-4	
1,2,3-Trimethylbenzene	**1.0U**	ug/L	1.0	1.0	1		07/08/14 15:51	526-73-8	
1,2,4-Trichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	120-82-1	
1,2,4-Trimethylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	95-63-6	
1,2-Dibromo-3-chloropropane	**1.0U**	ug/L	2.0	1.0	1		07/08/14 15:51	96-12-8	
1,2-Dibromoethane (EDB)	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	106-93-4	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	95-50-1	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	107-06-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Sample: PMW-7 **Lab ID: 35144585007** Collected: 07/01/14 14:00 Received: 07/03/14 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,2-Dichloroethene (Total)	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	540-59-0	N2
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	78-87-5	
1,3,5-Trimethylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	108-67-8	
1,3-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	541-73-1	
1,3-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	142-28-9	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	106-46-7	
2,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	594-20-7	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		07/08/14 15:51	78-93-3	
2-Chloroethylvinyl ether	**0.50U**	ug/L	10.0	0.50	1		07/08/14 15:51	110-75-8	
2-Chlorotoluene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	95-49-8	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		07/08/14 15:51	591-78-6	
4-Chlorotoluene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	106-43-4	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		07/08/14 15:51	108-10-1	
Acetone	**10.0U**	ug/L	20.0	10.0	1		07/08/14 15:51	67-64-1	
Acetonitrile	**5.0U**	ug/L	10.0	5.0	1		07/08/14 15:51	75-05-8	
Acrolein	**10.0U**	ug/L	20.0	10.0	1		07/08/14 15:51	107-02-8	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		07/08/14 15:51	107-13-1	
Benzene	**0.10U**	ug/L	1.0	0.10	1		07/08/14 15:51	71-43-2	
Bromobenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	108-86-1	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		07/08/14 15:51	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	74-83-9	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		07/08/14 15:51	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		07/08/14 15:51	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		07/08/14 15:51	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	74-95-3	
Dichlorodifluoromethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	75-71-8	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	100-41-4	
Hexachloro-1,3-butadiene	**0.40U**	ug/L	1.0	0.40	1		07/08/14 15:51	87-68-3	L3
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	74-88-4	
Isopropylbenzene (Cumene)	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	98-82-8	
Methyl-tert-butyl ether	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	1634-04-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		07/08/14 15:51	75-09-2	
Naphthalene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	91-20-3	
Styrene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	100-42-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	108-88-3	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	75-69-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		07/08/14 15:51	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	75-01-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

ANALYTICAL RESULTS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Sample: PMW-7 **Lab ID: 35144585007** Collected: 07/01/14 14:00 Received: 07/03/14 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	1330-20-7	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	156-59-2	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		07/08/14 15:51	10061-01-5	
m&p-Xylene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	179601-23-1	
n-Butylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	104-51-8	L3
n-Propylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	103-65-1	
o-Xylene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	95-47-6	
p-Isopropyltoluene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	99-87-6	
sec-Butylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	135-98-8	L3
tert-Butylbenzene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	98-06-6	
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		07/08/14 15:51	156-60-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		07/08/14 15:51	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		07/08/14 15:51	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	75	%	70-114		1		07/08/14 15:51	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	86-125		1		07/08/14 15:51	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		07/08/14 15:51	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

QUALITY CONTROL DATA

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

QC Batch: MSV/12139 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35144585001, 35144585002, 35144585007

METHOD BLANK: 947569 Matrix: Water
Associated Lab Samples: 35144585001, 35144585002, 35144585007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	07/08/14 12:07	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	07/08/14 12:07	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	07/08/14 12:07	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	07/08/14 12:07	
1,1,2-Trichlorotrifluoroethane	ug/L	0.50U	1.0	07/08/14 12:07	
1,1-Dichloroethane	ug/L	0.50U	1.0	07/08/14 12:07	
1,1-Dichloroethene	ug/L	0.50U	1.0	07/08/14 12:07	
1,1-Dichloropropene	ug/L	0.50U	1.0	07/08/14 12:07	
1,2,3-Trichlorobenzene	ug/L	0.50U	1.0	07/08/14 12:07	
1,2,3-Trichloropropane	ug/L	0.59U	1.0	07/08/14 12:07	
1,2,3-Trimethylbenzene	ug/L	1.0U	1.0	07/08/14 12:07	
1,2,4-Trichlorobenzene	ug/L	0.50U	1.0	07/08/14 12:07	
1,2,4-Trimethylbenzene	ug/L	0.50U	1.0	07/08/14 12:07	
1,2-Dibromo-3-chloropropane	ug/L	1.0U	2.0	07/08/14 12:07	
1,2-Dibromoethane (EDB)	ug/L	0.50U	1.0	07/08/14 12:07	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	07/08/14 12:07	
1,2-Dichloroethane	ug/L	0.50U	1.0	07/08/14 12:07	
1,2-Dichloroethene (Total)	ug/L	0.50U	1.0	07/08/14 12:07	N2
1,2-Dichloropropane	ug/L	0.50U	1.0	07/08/14 12:07	
1,3,5-Trimethylbenzene	ug/L	0.50U	1.0	07/08/14 12:07	
1,3-Dichlorobenzene	ug/L	0.50U	1.0	07/08/14 12:07	
1,3-Dichloropropane	ug/L	0.50U	1.0	07/08/14 12:07	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	07/08/14 12:07	
2,2-Dichloropropane	ug/L	0.50U	1.0	07/08/14 12:07	
2-Butanone (MEK)	ug/L	5.0U	10.0	07/08/14 12:07	
2-Chloroethylvinyl ether	ug/L	0.50U	10.0	07/08/14 12:07	
2-Chlorotoluene	ug/L	0.50U	1.0	07/08/14 12:07	
2-Hexanone	ug/L	5.0U	10.0	07/08/14 12:07	
4-Chlorotoluene	ug/L	0.50U	1.0	07/08/14 12:07	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	07/08/14 12:07	
Acetone	ug/L	10.0U	20.0	07/08/14 12:07	
Acetonitrile	ug/L	5.0U	10.0	07/08/14 12:07	
Acrolein	ug/L	10.0U	20.0	07/08/14 12:07	
Acrylonitrile	ug/L	5.0U	10.0	07/08/14 12:07	
Benzene	ug/L	0.10U	1.0	07/08/14 12:07	
Bromobenzene	ug/L	0.50U	1.0	07/08/14 12:07	
Bromochloromethane	ug/L	0.50U	1.0	07/08/14 12:07	
Bromodichloromethane	ug/L	0.27U	0.60	07/08/14 12:07	
Bromoform	ug/L	0.50U	1.0	07/08/14 12:07	
Bromomethane	ug/L	0.50U	1.0	07/08/14 12:07	
Carbon disulfide	ug/L	5.0U	10.0	07/08/14 12:07	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

QUALITY CONTROL DATA

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

METHOD BLANK: 947569 Matrix: Water
Associated Lab Samples: 35144585001, 35144585002, 35144585007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbon tetrachloride	ug/L	0.50U	1.0	07/08/14 12:07	
Chlorobenzene	ug/L	0.50U	1.0	07/08/14 12:07	
Chloroethane	ug/L	0.50U	1.0	07/08/14 12:07	
Chloroform	ug/L	0.50U	1.0	07/08/14 12:07	
Chloromethane	ug/L	0.62U	1.0	07/08/14 12:07	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	07/08/14 12:07	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	07/08/14 12:07	
Dibromochloromethane	ug/L	0.26U	0.50	07/08/14 12:07	
Dibromomethane	ug/L	0.50U	1.0	07/08/14 12:07	
Dichlorodifluoromethane	ug/L	0.50U	1.0	07/08/14 12:07	
Ethylbenzene	ug/L	0.50U	1.0	07/08/14 12:07	
Hexachloro-1,3-butadiene	ug/L	0.40U	1.0	07/08/14 12:07	
Iodomethane	ug/L	0.50U	1.0	07/08/14 12:07	
Isopropylbenzene (Cumene)	ug/L	0.50U	1.0	07/08/14 12:07	
m&p-Xylene	ug/L	0.50U	1.0	07/08/14 12:07	
Methyl-tert-butyl ether	ug/L	0.50U	1.0	07/08/14 12:07	
Methylene Chloride	ug/L	2.5U	5.0	07/08/14 12:07	
n-Butylbenzene	ug/L	0.50U	1.0	07/08/14 12:07	
n-Propylbenzene	ug/L	0.50U	1.0	07/08/14 12:07	
Naphthalene	ug/L	0.50U	1.0	07/08/14 12:07	
o-Xylene	ug/L	0.50U	1.0	07/08/14 12:07	
p-Isopropyltoluene	ug/L	0.50U	1.0	07/08/14 12:07	
sec-Butylbenzene	ug/L	0.50U	1.0	07/08/14 12:07	
Styrene	ug/L	0.50U	1.0	07/08/14 12:07	
tert-Butylbenzene	ug/L	0.50U	1.0	07/08/14 12:07	
Tetrachloroethene	ug/L	0.50U	1.0	07/08/14 12:07	
Toluene	ug/L	0.50U	1.0	07/08/14 12:07	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	07/08/14 12:07	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	07/08/14 12:07	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	07/08/14 12:07	
Trichloroethene	ug/L	0.50U	1.0	07/08/14 12:07	
Trichlorofluoromethane	ug/L	0.50U	1.0	07/08/14 12:07	
Vinyl acetate	ug/L	1.0U	2.0	07/08/14 12:07	
Vinyl chloride	ug/L	0.50U	1.0	07/08/14 12:07	
Xylene (Total)	ug/L	0.50U	1.0	07/08/14 12:07	
1,2-Dichloroethane-d4 (S)	%	110	86-125	07/08/14 12:07	
4-Bromofluorobenzene (S)	%	72	70-114	07/08/14 12:07	
Toluene-d8 (S)	%	96	87-113	07/08/14 12:07	

LABORATORY CONTROL SAMPLE: 947570

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.1	96	70-130	
1,1,1-Trichloroethane	ug/L	20	19.2	96	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

QUALITY CONTROL DATA

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

LABORATORY CONTROL SAMPLE: 947570

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	24.4	122	70-130	
1,1,2-Trichloroethane	ug/L	20	21.0	105	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.2	96	70-130	
1,1-Dichloroethane	ug/L	20	19.1	96	70-130	
1,1-Dichloroethene	ug/L	20	21.7	109	70-130	
1,1-Dichloropropene	ug/L	20	19.9	99	70-130	
1,2,3-Trichlorobenzene	ug/L	20	24.2	121	70-137	
1,2,3-Trichloropropane	ug/L	20	22.6	113	70-130	
1,2,3-Trimethylbenzene	ug/L	20	21.6	108	70-135	
1,2,4-Trichlorobenzene	ug/L	20	21.6	108	70-130	
1,2,4-Trimethylbenzene	ug/L	20	24.8	124	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	19.9	99	64-130	
1,2-Dibromoethane (EDB)	ug/L	20	19.2	96	70-130	
1,2-Dichlorobenzene	ug/L	20	21.6	108	70-130	
1,2-Dichloroethane	ug/L	20	19.5	97	70-130	
1,2-Dichloroethene (Total)	ug/L	40	40.2	101	70-130	N2
1,2-Dichloropropane	ug/L	20	18.9	94	70-130	
1,3,5-Trimethylbenzene	ug/L	20	24.3	121	70-130	
1,3-Dichlorobenzene	ug/L	20	22.2	111	70-130	
1,3-Dichloropropane	ug/L	20	20.8	104	70-130	
1,4-Dichlorobenzene	ug/L	20	21.5	108	70-130	
2,2-Dichloropropane	ug/L	20	23.7	118	70-131	
2-Butanone (MEK)	ug/L	40	41.1	103	55-167	
2-Chloroethylvinyl ether	ug/L	20	18.5	93	70-130	
2-Chlorotoluene	ug/L	20	23.3	116	70-130	
2-Hexanone	ug/L	40	38.7	97	65-130	
4-Chlorotoluene	ug/L	20	24.2	121	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	37.9	95	70-130	
Acetone	ug/L	40	49.8	124	40-150	
Acetonitrile	ug/L	200	201	101	63-138	
Acrolein	ug/L	200	293	146	44-170	
Acrylonitrile	ug/L	200	221	111	70-130	
Benzene	ug/L	20	20.3	101	70-130	
Bromobenzene	ug/L	20	22.8	114	70-130	
Bromochloromethane	ug/L	20	18.4	92	70-130	
Bromodichloromethane	ug/L	20	19.7	99	70-130	
Bromoform	ug/L	20	16.6	83	68-130	
Bromomethane	ug/L	20	24.0	120	38-179	
Carbon disulfide	ug/L	20	17.7	89	51-155	
Carbon tetrachloride	ug/L	20	18.4	92	70-130	
Chlorobenzene	ug/L	20	19.6	98	70-130	
Chloroethane	ug/L	20	19.2	96	59-149	
Chloroform	ug/L	20	19.9	99	70-130	
Chloromethane	ug/L	20	19.5	97	68-130	
cis-1,2-Dichloroethene	ug/L	20	19.0	95	70-130	
cis-1,3-Dichloropropene	ug/L	20	20.9	105	70-130	
Dibromochloromethane	ug/L	20	19.4	97	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

QUALITY CONTROL DATA

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

LABORATORY CONTROL SAMPLE: 947570

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromomethane	ug/L	20	16.0	80	70-130	
Dichlorodifluoromethane	ug/L	20	20.4	102	67-130	
Ethylbenzene	ug/L	20	21.6	108	70-130	
Hexachloro-1,3-butadiene	ug/L	20	27.2	136	70-130	
Iodomethane	ug/L	40	38.2	95	43-160	
Isopropylbenzene (Cumene)	ug/L	20	22.5	112	70-130	
m&p-Xylene	ug/L	40	43.9	110	70-130	
Methyl-tert-butyl ether	ug/L	20	18.8	94	70-130	
Methylene Chloride	ug/L	20	19.4	97	70-130	
n-Butylbenzene	ug/L	20	28.6	143	70-130	
n-Propylbenzene	ug/L	20	25.5	127	70-130	
Naphthalene	ug/L	20	21.8	109	70-141	
o-Xylene	ug/L	20	21.4	107	70-130	
p-Isopropyltoluene	ug/L	20	26.0	130	70-130	
sec-Butylbenzene	ug/L	20	26.3	132	70-130	
Styrene	ug/L	20	21.6	108	70-130	
tert-Butylbenzene	ug/L	20	24.1	121	70-130	
Tetrachloroethene	ug/L	20	16.0	80	66-133	
Toluene	ug/L	20	18.3	92	70-130	
trans-1,2-Dichloroethene	ug/L	20	21.3	106	70-130	
trans-1,3-Dichloropropene	ug/L	20	20.6	103	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	21.4	107	65-130	
Trichloroethene	ug/L	20	18.5	92	70-130	
Trichlorofluoromethane	ug/L	20	20.8	104	70-131	
Vinyl acetate	ug/L	20	18.9	95	69-135	
Vinyl chloride	ug/L	20	22.1	111	69-140	
Xylene (Total)	ug/L	60	65.3	109	70-130	
1,2-Dichloroethane-d4 (S)	%			108	86-125	
4-Bromofluorobenzene (S)	%			86	70-114	
Toluene-d8 (S)	%			96	87-113	

MATRIX SPIKE SAMPLE: 950137

Parameter	Units	35144582006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	16.3	82	39-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	18.0	90	47-141	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	21.4	107	49-131	
1,1,2-Trichloroethane	ug/L	0.50U	20	17.1	86	50-130	
1,1,2-Trichlorotrifluoroethane	ug/L	0.50U	20	20.6	103	36-187	
1,1-Dichloroethane	ug/L	0.50U	20	17.5	88	54-137	
1,1-Dichloroethene	ug/L	0.50U	20	21.0	105	45-155	
1,1-Dichloropropene	ug/L	0.50U	20	19.4	97	61-141	
1,2,3-Trichlorobenzene	ug/L	0.50U	20	28.9	145	36-137	J(M1)
1,2,3-Trichloropropane	ug/L	0.59U	20	19.9	99	31-132	
1,2,3-Trimethylbenzene	ug/L	1.0U	20	21.5	105	53-148	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

QUALITY CONTROL DATA

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

MATRIX SPIKE SAMPLE: 950137

Parameter	Units	35144582006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	0.50U	20	27.0	135	34-138	
1,2,4-Trimethylbenzene	ug/L	0.50U	20	23.6	116	34-138	
1,2-Dibromo-3-chloropropane	ug/L	1.0U	20	21.1	106	37-130	
1,2-Dibromoethane (EDB)	ug/L	0.50U	20	15.8	79	51-132	
1,2-Dichlorobenzene	ug/L	0.50U	20	20.4	102	43-130	
1,2-Dichloroethane	ug/L	0.50U	20	16.7	83	54-130	
1,2-Dichloroethene (Total)	ug/L	0.50U	40	38.5	96	50-150	N2
1,2-Dichloropropane	ug/L	0.50U	20	17.5	87	53-130	
1,3,5-Trimethylbenzene	ug/L	0.50U	20	23.1	116	47-139	
1,3-Dichlorobenzene	ug/L	0.50U	20	19.6	98	47-128	
1,3-Dichloropropane	ug/L	0.50U	20	17.6	88	59-127	
1,4-Dichlorobenzene	ug/L	0.50U	20	19.3	97	38-130	
2,2-Dichloropropane	ug/L	0.50U	20	21.5	107	24-133	
2-Butanone (MEK)	ug/L	5.0U	40	30.7	77	48-138	
2-Chloroethylvinyl ether	ug/L	0.50U	20	0.50U	0	20-183	J(M1)
2-Chlorotoluene	ug/L	0.50U	20	22.3	112	54-136	
2-Hexanone	ug/L	5.0U	40	33.8	84	38-130	
4-Chlorotoluene	ug/L	0.50U	20	22.5	112	53-134	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	40	34.8	87	28-143	
Acetone	ug/L	10.0U	40	37.0	75	20-140	
Acetonitrile	ug/L	5.0U	200	177	89	44-138	
Acrolein	ug/L	10.0U	200	198	99	20-159	
Acrylonitrile	ug/L	5.0U	200	161	80	46-130	
Benzene	ug/L	0.28 I	20	19.1	94	53-132	
Bromobenzene	ug/L	0.50U	20	21.9	108	53-132	
Bromochloromethane	ug/L	0.50U	20	15.4	77	54-132	
Bromodichloromethane	ug/L	0.27U	20	17.5	88	46-130	
Bromoform	ug/L	0.50U	20	14.6	73	32-130	
Bromomethane	ug/L	0.50U	20	26.0	130	20-152	
Carbon disulfide	ug/L	5.0U	20	19.5	95	28-184	
Carbon tetrachloride	ug/L	0.50U	20	17.1	85	37-137	
Chlorobenzene	ug/L	0.50U	20	17.1	85	46-130	
Chloroethane	ug/L	0.50U	20	19.6	98	48-159	
Chloroform	ug/L	0.50U	20	17.8	89	51-130	
Chloromethane	ug/L	0.62U	20	32.7	164	39-144	J(M1)
cis-1,2-Dichloroethene	ug/L	0.50U	20	17.7	88	54-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	17.8	89	45-130	
Dibromochloromethane	ug/L	0.26U	20	16.5	82	43-130	
Dibromomethane	ug/L	0.50U	20	13.8	69	50-130	
Dichlorodifluoromethane	ug/L	0.50U	20	24.0	120	38-151	
Ethylbenzene	ug/L	21.1	20	40.3	96	43-130	
Hexachloro-1,3-butadiene	ug/L	0.40U	20	27.1	135	35-136	
Iodomethane	ug/L	0.50U	40	45.8	115	20-169	
Isopropylbenzene (Cumene)	ug/L	3.0	20	24.6	108	49-140	
m&p-Xylene	ug/L	0.50U	40	40.3	101	40-130	
Methyl-tert-butyl ether	ug/L	0.50U	20	17.9	90	20-150	
Methylene Chloride	ug/L	2.5U	20	19.1	96	51-135	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

QUALITY CONTROL DATA

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

MATRIX SPIKE SAMPLE: 950137

Parameter	Units	35144582006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
n-Butylbenzene	ug/L	0.91 I	20	30.2	146	41-146	
n-Propylbenzene	ug/L	4.5	20	28.9	122	49-141	
Naphthalene	ug/L	25.8	20	54.0	141	20-166	
o-Xylene	ug/L	0.84 I	20	20.9	100	45-130	
p-Isopropyltoluene	ug/L	1.2	20	25.8	123	45-143	
sec-Butylbenzene	ug/L	1.8	20	27.5	128	48-143	
Styrene	ug/L	0.50U	20	18.1	90	40-130	
tert-Butylbenzene	ug/L	0.83 I	20	24.0	116	51-140	
Tetrachloroethene	ug/L	0.50U	20	13.7	68	26-130	
Toluene	ug/L	0.50U	20	16.8	84	50-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	20.8	104	48-142	
trans-1,3-Dichloropropene	ug/L	0.25U	20	17.4	87	45-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	16.1	81	20-139	
Trichloroethene	ug/L	0.50U	20	16.8	84	42-133	
Trichlorofluoromethane	ug/L	0.50U	20	25.5	127	46-146	
Vinyl acetate	ug/L	1.0U	20	16.4	82	20-165	
Vinyl chloride	ug/L	0.50U	20	24.6	123	57-142	
Xylene (Total)	ug/L	0.84 I	60	61.3	101	42-130	
1,2-Dichloroethane-d4 (S)	%				96	86-125	
4-Bromofluorobenzene (S)	%				84	70-114	
Toluene-d8 (S)	%				97	87-113	

SAMPLE DUPLICATE: 950136

Parameter	Units	35144582005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	0.50U		40	
1,1,1-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.12U		40	
1,1,2-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2-Trichlorotrifluoroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethene	ug/L	0.50U	0.50U		40	
1,1-Dichloropropene	ug/L	0.50U	0.50U		40	
1,2,3-Trichlorobenzene	ug/L	0.50U	0.50U		40	
1,2,3-Trichloropropane	ug/L	0.59U	0.59U		40	
1,2,3-Trimethylbenzene	ug/L	1.0U	1.0U		40	
1,2,4-Trichlorobenzene	ug/L	0.50U	0.50U		40	
1,2,4-Trimethylbenzene	ug/L	0.50U	0.50U		40	
1,2-Dibromo-3-chloropropane	ug/L	1.0U	1.0U		40	
1,2-Dibromoethane (EDB)	ug/L	0.50U	0.50U		40	
1,2-Dichlorobenzene	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane	ug/L	0.50U	0.50U		40	
1,2-Dichloroethene (Total)	ug/L	0.50U	0.50U		40	N2
1,2-Dichloropropane	ug/L	0.50U	0.50U		40	
1,3,5-Trimethylbenzene	ug/L	0.50U	0.50U		40	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

QUALITY CONTROL DATA

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

SAMPLE DUPLICATE: 950136

Parameter	Units	35144582005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,3-Dichlorobenzene	ug/L	0.50U	0.50U		40	
1,3-Dichloropropane	ug/L	0.50U	0.50U		40	
1,4-Dichlorobenzene	ug/L	0.50U	0.50U		40	
2,2-Dichloropropane	ug/L	0.50U	0.50U		40	
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Chloroethylvinyl ether	ug/L	0.50U	0.50U		40	
2-Chlorotoluene	ug/L	0.50U	0.50U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Chlorotoluene	ug/L	0.50U	0.50U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	10.0U	10.0U		40	
Acetonitrile	ug/L	5.0U	5.0U		40	
Acrolein	ug/L	10.0U	10.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Benzene	ug/L	0.10U	0.23 I		40	
Bromobenzene	ug/L	1.5	1.5	4	40	
Bromochloromethane	ug/L	0.50U	0.50U		40	
Bromodichloromethane	ug/L	0.27U	0.27U		40	
Bromoform	ug/L	0.50U	0.50U		40	
Bromomethane	ug/L	0.50U	0.50U		40	
Carbon disulfide	ug/L	5.0U	5.0U		40	
Carbon tetrachloride	ug/L	0.50U	0.50U		40	
Chlorobenzene	ug/L	0.50U	0.50U		40	
Chloroethane	ug/L	0.50U	0.50U		40	
Chloroform	ug/L	0.50U	0.50U		40	
Chloromethane	ug/L	0.62U	0.62U		40	
cis-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
cis-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
Dibromochloromethane	ug/L	0.26U	0.26U		40	
Dibromomethane	ug/L	0.50U	0.50U		40	
Dichlorodifluoromethane	ug/L	0.50U	0.50U		40	
Ethylbenzene	ug/L	13.6	13.4	1	40	
Hexachloro-1,3-butadiene	ug/L	0.40U	0.40U		40	
Iodomethane	ug/L	0.50U	0.50U		40	
Isopropylbenzene (Cumene)	ug/L	8.2	8.6	4	40	
m&p-Xylene	ug/L	0.50U	0.50U		40	
Methyl-tert-butyl ether	ug/L	0.50U	0.50U		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
n-Butylbenzene	ug/L	1.1	1.6	40	40	
n-Propylbenzene	ug/L	16.0	16.5	3	40	
Naphthalene	ug/L	106	118	11	40	
o-Xylene	ug/L	0.50U	0.50U		40	
p-Isopropyltoluene	ug/L	0.63 I	0.53 I		40	
sec-Butylbenzene	ug/L	3.3	3.5	6	40	
Styrene	ug/L	0.50U	0.50U		40	
tert-Butylbenzene	ug/L	0.76 I	0.72 I		40	
Tetrachloroethene	ug/L	0.50U	0.50U		40	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

QUALITY CONTROL DATA

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

SAMPLE DUPLICATE: 950136

Parameter	Units	35144582005 Result	Dup Result	RPD	Max RPD	Qualifiers
Toluene	ug/L	3.2	0.50U		40	
trans-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
trans-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	5.0U		40	
Trichloroethene	ug/L	0.50U	0.50U		40	
Trichlorofluoromethane	ug/L	0.50U	0.50U		40	
Vinyl acetate	ug/L	1.0U	1.0U		40	
Vinyl chloride	ug/L	0.50U	0.50U		40	
Xylene (Total)	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane-d4 (S)	%	101	101	.2		
4-Bromofluorobenzene (S)	%	78	80	2		
Toluene-d8 (S)	%	100	100	.5		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

QUALITY CONTROL DATA

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

QC Batch: MSV/12157 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35144585003, 35144585004, 35144585005, 35144585006

METHOD BLANK: 949310 Matrix: Water
Associated Lab Samples: 35144585003, 35144585004, 35144585005, 35144585006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	07/09/14 18:10	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	07/09/14 18:10	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	07/09/14 18:10	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	07/09/14 18:10	
1,1,2-Trichlorotrifluoroethane	ug/L	0.50U	1.0	07/09/14 18:10	
1,1-Dichloroethane	ug/L	0.50U	1.0	07/09/14 18:10	
1,1-Dichloroethene	ug/L	0.50U	1.0	07/09/14 18:10	
1,1-Dichloropropene	ug/L	0.50U	1.0	07/09/14 18:10	
1,2,3-Trichlorobenzene	ug/L	0.50U	1.0	07/09/14 18:10	
1,2,3-Trichloropropane	ug/L	0.59U	1.0	07/09/14 18:10	
1,2,3-Trimethylbenzene	ug/L	1.0U	1.0	07/09/14 18:10	
1,2,4-Trichlorobenzene	ug/L	0.50U	1.0	07/09/14 18:10	
1,2,4-Trimethylbenzene	ug/L	0.50U	1.0	07/09/14 18:10	
1,2-Dibromo-3-chloropropane	ug/L	1.0U	2.0	07/09/14 18:10	
1,2-Dibromoethane (EDB)	ug/L	0.50U	1.0	07/09/14 18:10	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	07/09/14 18:10	
1,2-Dichloroethane	ug/L	0.50U	1.0	07/09/14 18:10	
1,2-Dichloroethene (Total)	ug/L	0.50U	1.0	07/09/14 18:10	N2
1,2-Dichloropropane	ug/L	0.50U	1.0	07/09/14 18:10	
1,3,5-Trimethylbenzene	ug/L	0.50U	1.0	07/09/14 18:10	
1,3-Dichlorobenzene	ug/L	0.50U	1.0	07/09/14 18:10	
1,3-Dichloropropane	ug/L	0.50U	1.0	07/09/14 18:10	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	07/09/14 18:10	
2,2-Dichloropropane	ug/L	0.50U	1.0	07/09/14 18:10	
2-Butanone (MEK)	ug/L	5.0U	10.0	07/09/14 18:10	
2-Chloroethylvinyl ether	ug/L	0.50U	10.0	07/09/14 18:10	
2-Chlorotoluene	ug/L	0.50U	1.0	07/09/14 18:10	
2-Hexanone	ug/L	5.0U	10.0	07/09/14 18:10	
4-Chlorotoluene	ug/L	0.50U	1.0	07/09/14 18:10	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	07/09/14 18:10	
Acetone	ug/L	10.0U	20.0	07/09/14 18:10	
Acetonitrile	ug/L	5.0U	10.0	07/09/14 18:10	
Acrolein	ug/L	10.0U	20.0	07/09/14 18:10	
Acrylonitrile	ug/L	5.0U	10.0	07/09/14 18:10	
Benzene	ug/L	0.10U	1.0	07/09/14 18:10	
Bromobenzene	ug/L	0.50U	1.0	07/09/14 18:10	
Bromochloromethane	ug/L	0.50U	1.0	07/09/14 18:10	
Bromodichloromethane	ug/L	0.27U	0.60	07/09/14 18:10	
Bromoform	ug/L	0.50U	1.0	07/09/14 18:10	
Bromomethane	ug/L	0.50U	1.0	07/09/14 18:10	
Carbon disulfide	ug/L	5.0U	10.0	07/09/14 18:10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

QUALITY CONTROL DATA

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

METHOD BLANK: 949310 Matrix: Water
Associated Lab Samples: 35144585003, 35144585004, 35144585005, 35144585006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbon tetrachloride	ug/L	0.50U	1.0	07/09/14 18:10	
Chlorobenzene	ug/L	0.50U	1.0	07/09/14 18:10	
Chloroethane	ug/L	0.50U	1.0	07/09/14 18:10	
Chloroform	ug/L	0.50U	1.0	07/09/14 18:10	
Chloromethane	ug/L	0.62U	1.0	07/09/14 18:10	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	07/09/14 18:10	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	07/09/14 18:10	
Dibromochloromethane	ug/L	0.26U	0.50	07/09/14 18:10	
Dibromomethane	ug/L	0.50U	1.0	07/09/14 18:10	
Dichlorodifluoromethane	ug/L	0.50U	1.0	07/09/14 18:10	
Ethylbenzene	ug/L	0.50U	1.0	07/09/14 18:10	
Hexachloro-1,3-butadiene	ug/L	0.40U	1.0	07/09/14 18:10	
Iodomethane	ug/L	0.50U	1.0	07/09/14 18:10	
Isopropylbenzene (Cumene)	ug/L	0.50U	1.0	07/09/14 18:10	
m&p-Xylene	ug/L	0.50U	1.0	07/09/14 18:10	
Methyl-tert-butyl ether	ug/L	0.50U	1.0	07/09/14 18:10	
Methylene Chloride	ug/L	2.5U	5.0	07/09/14 18:10	
n-Butylbenzene	ug/L	0.50U	1.0	07/09/14 18:10	
n-Propylbenzene	ug/L	0.50U	1.0	07/09/14 18:10	
Naphthalene	ug/L	0.50U	1.0	07/09/14 18:10	
o-Xylene	ug/L	0.50U	1.0	07/09/14 18:10	
p-Isopropyltoluene	ug/L	0.50U	1.0	07/09/14 18:10	
sec-Butylbenzene	ug/L	0.50U	1.0	07/09/14 18:10	
Styrene	ug/L	0.50U	1.0	07/09/14 18:10	
tert-Butylbenzene	ug/L	0.50U	1.0	07/09/14 18:10	
Tetrachloroethene	ug/L	0.50U	1.0	07/09/14 18:10	
Toluene	ug/L	0.50U	1.0	07/09/14 18:10	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	07/09/14 18:10	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	07/09/14 18:10	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	07/09/14 18:10	
Trichloroethene	ug/L	0.50U	1.0	07/09/14 18:10	
Trichlorofluoromethane	ug/L	0.50U	1.0	07/09/14 18:10	
Vinyl acetate	ug/L	1.0U	2.0	07/09/14 18:10	
Vinyl chloride	ug/L	0.50U	1.0	07/09/14 18:10	
Xylene (Total)	ug/L	0.50U	1.0	07/09/14 18:10	
1,2-Dichloroethane-d4 (S)	%	102	86-125	07/09/14 18:10	
4-Bromofluorobenzene (S)	%	98	70-114	07/09/14 18:10	
Toluene-d8 (S)	%	103	87-113	07/09/14 18:10	

LABORATORY CONTROL SAMPLE: 949311

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.3	96	70-130	
1,1,1-Trichloroethane	ug/L	20	19.1	96	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

QUALITY CONTROL DATA

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

LABORATORY CONTROL SAMPLE: 949311

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	18.2	91	70-130	
1,1,2-Trichloroethane	ug/L	20	18.0	90	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.2	96	70-130	
1,1-Dichloroethane	ug/L	20	18.4	92	70-130	
1,1-Dichloroethene	ug/L	20	18.8	94	70-130	
1,1-Dichloropropene	ug/L	20	17.8	89	70-130	
1,2,3-Trichlorobenzene	ug/L	20	20.6	103	70-137	
1,2,3-Trichloropropane	ug/L	20	17.8	89	70-130	
1,2,3-Trimethylbenzene	ug/L	20	20.2	101	70-135	
1,2,4-Trichlorobenzene	ug/L	20	20.1	100	70-130	
1,2,4-Trimethylbenzene	ug/L	20	19.8	99	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	18.7	93	64-130	
1,2-Dibromoethane (EDB)	ug/L	20	17.5	87	70-130	
1,2-Dichlorobenzene	ug/L	20	20.8	104	70-130	
1,2-Dichloroethane	ug/L	20	18.5	93	70-130	
1,2-Dichloroethene (Total)	ug/L	40	36.8	92	70-130	N2
1,2-Dichloropropane	ug/L	20	18.6	93	70-130	
1,3,5-Trimethylbenzene	ug/L	20	20.1	100	70-130	
1,3-Dichlorobenzene	ug/L	20	18.8	94	70-130	
1,3-Dichloropropane	ug/L	20	18.3	92	70-130	
1,4-Dichlorobenzene	ug/L	20	20.0	100	70-130	
2,2-Dichloropropane	ug/L	20	19.5	98	70-131	
2-Butanone (MEK)	ug/L	40	32.4	81	55-167	
2-Chloroethylvinyl ether	ug/L	20	20.2	101	70-130	
2-Chlorotoluene	ug/L	20	19.1	95	70-130	
2-Hexanone	ug/L	40	29.6	74	65-130	
4-Chlorotoluene	ug/L	20	20.1	100	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	33.9	85	70-130	
Acetone	ug/L	40	29.9	75	40-150	
Acetonitrile	ug/L	200	157	79	63-138	
Acrolein	ug/L	200	148	74	44-170	
Acrylonitrile	ug/L	200	166	83	70-130	
Benzene	ug/L	20	18.3	92	70-130	
Bromobenzene	ug/L	20	19.5	98	70-130	
Bromochloromethane	ug/L	20	19.4	97	70-130	
Bromodichloromethane	ug/L	20	18.8	94	70-130	
Bromoform	ug/L	20	17.8	89	68-130	
Bromomethane	ug/L	20	20.0	100	38-179	
Carbon disulfide	ug/L	20	15.2	76	51-155	
Carbon tetrachloride	ug/L	20	19.1	96	70-130	
Chlorobenzene	ug/L	20	18.1	91	70-130	
Chloroethane	ug/L	20	17.8	89	59-149	
Chloroform	ug/L	20	18.8	94	70-130	
Chloromethane	ug/L	20	19.5	97	68-130	
cis-1,2-Dichloroethene	ug/L	20	18.6	93	70-130	
cis-1,3-Dichloropropene	ug/L	20	18.7	93	70-130	
Dibromochloromethane	ug/L	20	17.5	87	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

QUALITY CONTROL DATA

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

LABORATORY CONTROL SAMPLE: 949311

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromomethane	ug/L	20	19.7	98	70-130	
Dichlorodifluoromethane	ug/L	20	22.1	111	67-130	
Ethylbenzene	ug/L	20	18.1	91	70-130	
Hexachloro-1,3-butadiene	ug/L	20	20.8	104	70-130	
Iodomethane	ug/L	40	36.8	92	43-160	
Isopropylbenzene (Cumene)	ug/L	20	19.1	95	70-130	
m&p-Xylene	ug/L	40	37.0	92	70-130	
Methyl-tert-butyl ether	ug/L	20	17.9	89	70-130	
Methylene Chloride	ug/L	20	17.5	87	70-130	
n-Butylbenzene	ug/L	20	20.8	104	70-130	
n-Propylbenzene	ug/L	20	19.9	99	70-130	
Naphthalene	ug/L	20	19.7	99	70-141	
o-Xylene	ug/L	20	18.8	94	70-130	
p-Isopropyltoluene	ug/L	20	21.6	108	70-130	
sec-Butylbenzene	ug/L	20	19.8	99	70-130	
Styrene	ug/L	20	19.2	96	70-130	
tert-Butylbenzene	ug/L	20	20.4	102	70-130	
Tetrachloroethene	ug/L	20	18.0	90	66-133	
Toluene	ug/L	20	17.4	87	70-130	
trans-1,2-Dichloroethene	ug/L	20	18.2	91	70-130	
trans-1,3-Dichloropropene	ug/L	20	18.5	93	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	18.5	93	65-130	
Trichloroethene	ug/L	20	19.7	98	70-130	
Trichlorofluoromethane	ug/L	20	18.8	94	70-131	
Vinyl acetate	ug/L	20	17.1	85	69-135	
Vinyl chloride	ug/L	20	18.3	91	69-140	
Xylene (Total)	ug/L	60	55.8	93	70-130	
1,2-Dichloroethane-d4 (S)	%			106	86-125	
4-Bromofluorobenzene (S)	%			99	70-114	
Toluene-d8 (S)	%			101	87-113	

MATRIX SPIKE SAMPLE: 950418

Parameter	Units	35144794004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	21.4	107	39-130	
1,1,1-Trichloroethane	ug/L	0.50U	20	20.3	101	47-141	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	19.2	96	49-131	
1,1,2-Trichloroethane	ug/L	0.50U	20	21.1	106	50-130	
1,1,2-Trichlorotrifluoroethane	ug/L	0.50U	20	23.0	115	36-187	
1,1-Dichloroethane	ug/L	0.50U	20	18.2	91	54-137	
1,1-Dichloroethene	ug/L	0.50U	20	18.3	92	45-155	
1,1-Dichloropropene	ug/L	0.50U	20	19.5	97	61-141	
1,2,3-Trichlorobenzene	ug/L	0.50U	20	20.1	100	36-137	
1,2,3-Trichloropropane	ug/L	0.36U	20	18.5	93	31-132	
1,2,3-Trimethylbenzene	ug/L	1.0U	20	20.5	103	53-148	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

QUALITY CONTROL DATA

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

MATRIX SPIKE SAMPLE: 950418

Parameter	Units	35144794004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	0.50U	20	19.7	98	34-138	
1,2,4-Trimethylbenzene	ug/L	0.50U	20	21.5	107	34-138	
1,2-Dibromo-3-chloropropane	ug/L	1.0U	20	17.1	86	37-130	
1,2-Dibromoethane (EDB)	ug/L	0.50U	20	20.5	103	51-132	
1,2-Dichlorobenzene	ug/L	0.50U	20	20.9	104	43-130	
1,2-Dichloroethane	ug/L	0.50U	20	19.1	96	54-130	
1,2-Dichloroethene (Total)	ug/L	0.50U	40	37.5	94	50-150	N2
1,2-Dichloropropane	ug/L	0.50U	20	18.2	91	53-130	
1,3,5-Trimethylbenzene	ug/L	0.50U	20	22.2	111	47-139	
1,3-Dichlorobenzene	ug/L	0.50U	20	20.6	103	47-128	
1,3-Dichloropropane	ug/L	0.50U	20	19.4	97	59-127	
1,4-Dichlorobenzene	ug/L	0.50U	20	21.6	108	38-130	
2,2-Dichloropropane	ug/L	0.50U	20	18.3	92	24-133	
2-Butanone (MEK)	ug/L	5.0U	40	30.2	75	48-138	
2-Chloroethylvinyl ether	ug/L	0.50U	20	0.50U	0	20-183	J(M1)
2-Chlorotoluene	ug/L	0.50U	20	21.8	109	54-136	
2-Hexanone	ug/L	5.0U	40	33.8	85	38-130	
4-Chlorotoluene	ug/L	0.50U	20	21.5	108	53-134	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	40	35.0	87	28-143	
Acetone	ug/L	6.4 I	40	27.4	52	20-140	
Acetonitrile	ug/L	5.0U	200	97.1	49	44-138	
Acrolein	ug/L	10.0U	200	100	50	20-159	
Acrylonitrile	ug/L	5.0U	200	124	62	46-130	
Benzene	ug/L	0.50U	20	18.7	93	53-132	
Bromobenzene	ug/L	0.50U	20	20.9	104	53-132	
Bromochloromethane	ug/L	0.50U	20	18.8	94	54-132	
Bromodichloromethane	ug/L	0.27U	20	19.7	98	46-130	
Bromoform	ug/L	0.50U	20	20.7	104	32-130	
Bromomethane	ug/L	0.50U	20	16.5	82	20-152	
Carbon disulfide	ug/L	5.0U	20	17.2	85	28-184	
Carbon tetrachloride	ug/L	0.50U	20	20.5	102	37-137	
Chlorobenzene	ug/L	0.50U	20	21.0	105	46-130	
Chloroethane	ug/L	0.50U	20	19.7	99	48-159	
Chloroform	ug/L	0.50U	20	19.3	96	51-130	
Chloromethane	ug/L	0.62U	20	22.1	111	39-144	
cis-1,2-Dichloroethene	ug/L	0.50U	20	18.5	93	54-130	
cis-1,3-Dichloropropene	ug/L	0.25U	20	18.6	93	45-130	
Dibromochloromethane	ug/L	0.26U	20	21.7	109	43-130	
Dibromomethane	ug/L	0.50U	20	17.5	88	50-130	
Dichlorodifluoromethane	ug/L	0.50U	20	26.7	133	38-151	
Ethylbenzene	ug/L	0.50U	20	22.0	110	43-130	
Hexachloro-1,3-butadiene	ug/L	0.40U	20	26.1	130	35-136	
Iodomethane	ug/L	0.50U	40	33.5	84	20-169	
Isopropylbenzene (Cumene)	ug/L	0.50U	20	23.0	115	49-140	
m&p-Xylene	ug/L	0.50U	40	44.4	111	40-130	
Methyl-tert-butyl ether	ug/L	0.50U	20	17.7	88	20-150	
Methylene Chloride	ug/L	2.5U	20	16.9	84	51-135	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

QUALITY CONTROL DATA

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

MATRIX SPIKE SAMPLE: 950418

Parameter	Units	35144794004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
n-Butylbenzene	ug/L	0.50U	20	23.3	116	41-146	
n-Propylbenzene	ug/L	0.50U	20	22.0	110	49-141	
Naphthalene	ug/L	0.50U	20	20.8	104	20-166	
o-Xylene	ug/L	0.50U	20	22.1	110	45-130	
p-Isopropyltoluene	ug/L	0.50U	20	22.3	111	45-143	
sec-Butylbenzene	ug/L	0.50U	20	22.8	114	48-143	
Styrene	ug/L	0.50U	20	21.4	107	40-130	
tert-Butylbenzene	ug/L	0.50U	20	22.6	113	51-140	
Tetrachloroethene	ug/L	0.50U	20	20.8	104	26-130	
Toluene	ug/L	0.50U	20	20.0	100	50-130	
trans-1,2-Dichloroethene	ug/L	0.50U	20	18.9	95	48-142	
trans-1,3-Dichloropropene	ug/L	0.25U	20	20.0	100	45-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	17.1	85	20-139	
Trichloroethene	ug/L	0.50U	20	19.8	99	42-133	
Trichlorofluoromethane	ug/L	0.50U	20	23.1	116	46-146	
Vinyl acetate	ug/L	1.0U	20	14.8	74	20-165	
Vinyl chloride	ug/L	0.50U	20	20.5	102	57-142	
Xylene (Total)	ug/L	0.50U	60	66.4	111	42-130	
1,2-Dichloroethane-d4 (S)	%				89	86-125	
4-Bromofluorobenzene (S)	%				104	70-114	
Toluene-d8 (S)	%				100	87-113	

SAMPLE DUPLICATE: 950417

Parameter	Units	35144794003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	0.50U		40	
1,1,1-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.12U		40	
1,1,2-Trichloroethane	ug/L	0.50U	0.50U		40	
1,1,2-Trichlorotrifluoroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethane	ug/L	0.50U	0.50U		40	
1,1-Dichloroethene	ug/L	0.50U	0.50U		40	
1,1-Dichloropropene	ug/L	0.50U	0.50U		40	
1,2,3-Trichlorobenzene	ug/L	0.50U	0.50U		40	
1,2,3-Trichloropropane	ug/L	0.36U	0.59U		40	
1,2,3-Trimethylbenzene	ug/L	1.0U	1.0U		40	
1,2,4-Trichlorobenzene	ug/L	0.50U	0.50U		40	
1,2,4-Trimethylbenzene	ug/L	0.50U	0.50U		40	
1,2-Dibromo-3-chloropropane	ug/L	1.0U	1.0U		40	
1,2-Dibromoethane (EDB)	ug/L	0.50U	0.50U		40	
1,2-Dichlorobenzene	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane	ug/L	0.50U	0.50U		40	
1,2-Dichloroethene (Total)	ug/L	0.50U	0.50U		40	N2
1,2-Dichloropropane	ug/L	0.50U	0.50U		40	
1,3,5-Trimethylbenzene	ug/L	0.50U	0.50U		40	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

QUALITY CONTROL DATA

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

SAMPLE DUPLICATE: 950417

Parameter	Units	35144794003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,3-Dichlorobenzene	ug/L	0.50U	0.50U		40	
1,3-Dichloropropane	ug/L	0.50U	0.50U		40	
1,4-Dichlorobenzene	ug/L	0.50U	0.50U		40	
2,2-Dichloropropane	ug/L	0.50U	0.50U		40	
2-Butanone (MEK)	ug/L	5.0U	5.0U		40	
2-Chloroethylvinyl ether	ug/L	0.50U	0.50U		40	
2-Chlorotoluene	ug/L	0.50U	0.50U		40	
2-Hexanone	ug/L	5.0U	5.0U		40	
4-Chlorotoluene	ug/L	0.50U	0.50U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	5.0U		40	
Acetone	ug/L	5.0U	10.0U		40	
Acetonitrile	ug/L	5.0U	5.0U		40	
Acrolein	ug/L	10.0U	10.0U		40	
Acrylonitrile	ug/L	5.0U	5.0U		40	
Benzene	ug/L	0.50U	0.10U		40	
Bromobenzene	ug/L	0.50U	0.50U		40	
Bromochloromethane	ug/L	0.50U	0.50U		40	
Bromodichloromethane	ug/L	0.27U	0.27U		40	
Bromoform	ug/L	0.50U	0.50U		40	
Bromomethane	ug/L	0.50U	0.50U		40	
Carbon disulfide	ug/L	5.0U	5.0U		40	
Carbon tetrachloride	ug/L	0.50U	0.50U		40	
Chlorobenzene	ug/L	0.50U	0.50U		40	
Chloroethane	ug/L	0.50U	0.50U		40	
Chloroform	ug/L	0.50U	0.50U		40	
Chloromethane	ug/L	0.62U	0.62U		40	
cis-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
cis-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
Dibromochloromethane	ug/L	0.26U	0.26U		40	
Dibromomethane	ug/L	0.50U	0.50U		40	
Dichlorodifluoromethane	ug/L	0.50U	0.50U		40	
Ethylbenzene	ug/L	0.50U	0.50U		40	
Hexachloro-1,3-butadiene	ug/L	0.40U	0.40U		40	
Iodomethane	ug/L	0.50U	0.50U		40	
Isopropylbenzene (Cumene)	ug/L	0.50U	0.50U		40	
m&p-Xylene	ug/L	0.50U	0.50U		40	
Methyl-tert-butyl ether	ug/L	0.50U	0.50U		40	
Methylene Chloride	ug/L	2.5U	2.5U		40	
n-Butylbenzene	ug/L	0.50U	0.50U		40	
n-Propylbenzene	ug/L	0.50U	0.50U		40	
Naphthalene	ug/L	0.50U	0.50U		40	
o-Xylene	ug/L	0.50U	0.50U		40	
p-Isopropyltoluene	ug/L	0.50U	0.50U		40	
sec-Butylbenzene	ug/L	0.50U	0.50U		40	
Styrene	ug/L	0.50U	0.50U		40	
tert-Butylbenzene	ug/L	0.50U	0.50U		40	
Tetrachloroethene	ug/L	0.50U	0.50U		40	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

QUALITY CONTROL DATA

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

SAMPLE DUPLICATE: 950417

Parameter	Units	35144794003 Result	Dup Result	RPD	Max RPD	Qualifiers
Toluene	ug/L	0.50U	0.50U		40	
trans-1,2-Dichloroethene	ug/L	0.50U	0.50U		40	
trans-1,3-Dichloropropene	ug/L	0.25U	0.25U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	5.0U		40	
Trichloroethene	ug/L	0.50U	0.50U		40	
Trichlorofluoromethane	ug/L	0.50U	0.50U		40	
Vinyl acetate	ug/L	1.0U	1.0U		40	
Vinyl chloride	ug/L	0.50U	0.50U		40	
Xylene (Total)	ug/L	0.50U	0.50U		40	
1,2-Dichloroethane-d4 (S)	%	99	105	5		
4-Bromofluorobenzene (S)	%	98	103	5		
Toluene-d8 (S)	%	100	102	2		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

QUALITY CONTROL DATA

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

QC Batch: OEXT/18001 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAHLV by SIM MSSV
Associated Lab Samples: 35144585001, 35144585002, 35144585003, 35144585004, 35144585005, 35144585006, 35144585007

METHOD BLANK: 947763 Matrix: Water
Associated Lab Samples: 35144585001, 35144585002, 35144585003, 35144585004, 35144585005, 35144585006, 35144585007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	1.0U	2.0	07/09/14 08:29	
2-Methylnaphthalene	ug/L	1.0U	2.0	07/09/14 08:29	
Acenaphthene	ug/L	0.025U	0.10	07/09/14 08:29	
Acenaphthylene	ug/L	0.025U	0.10	07/09/14 08:29	
Anthracene	ug/L	0.025U	0.10	07/09/14 08:29	
Benzo(a)anthracene	ug/L	0.025U	0.10	07/09/14 08:29	
Benzo(a)pyrene	ug/L	0.025U	0.10	07/09/14 08:29	
Benzo(b)fluoranthene	ug/L	0.025U	0.10	07/09/14 08:29	
Benzo(g,h,i)perylene	ug/L	0.025U	0.10	07/09/14 08:29	
Benzo(k)fluoranthene	ug/L	0.025U	0.10	07/09/14 08:29	
Chrysene	ug/L	0.025U	0.10	07/09/14 08:29	
Dibenz(a,h)anthracene	ug/L	0.025U	0.10	07/09/14 08:29	
Fluoranthene	ug/L	0.025U	0.10	07/09/14 08:29	
Fluorene	ug/L	0.025U	0.10	07/09/14 08:29	
Indeno(1,2,3-cd)pyrene	ug/L	0.025U	0.10	07/09/14 08:29	
Naphthalene	ug/L	1.0U	2.0	07/09/14 08:29	
Phenanthrene	ug/L	0.025U	0.10	07/09/14 08:29	
Pyrene	ug/L	0.025U	0.10	07/09/14 08:29	
2-Fluorobiphenyl (S)	%	84	18-110	07/09/14 08:29	
Terphenyl-d14 (S)	%	78	18-123	07/09/14 08:29	

LABORATORY CONTROL SAMPLE: 947764

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	5	3.5	71	21-133	
2-Methylnaphthalene	ug/L	5	3.5	70	21-133	
Acenaphthene	ug/L	5	3.3	66	47-145	
Acenaphthylene	ug/L	5	3.4	68	33-145	
Anthracene	ug/L	5	2.5	51	27-133	
Benzo(a)anthracene	ug/L	5	2.9	57	33-143	
Benzo(a)pyrene	ug/L	5	2.8	56	17-163	
Benzo(b)fluoranthene	ug/L	5	2.8	55	24-159	
Benzo(g,h,i)perylene	ug/L	5	2.2	44	10-219	
Benzo(k)fluoranthene	ug/L	5	3.3	67	11-162	
Chrysene	ug/L	5	3.2	63	17-168	
Dibenz(a,h)anthracene	ug/L	5	1.9	38	10-227	
Fluoranthene	ug/L	5	3.1	62	26-137	
Fluorene	ug/L	5	3.5	70	59-130	
Indeno(1,2,3-cd)pyrene	ug/L	5	2.0	41	10-171	
Naphthalene	ug/L	5	3.2	64	21-133	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

QUALITY CONTROL DATA

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

LABORATORY CONTROL SAMPLE: 947764

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	5	2.5	50	54-130	
Pyrene	ug/L	5	3.2	64	52-130	
2-Fluorobiphenyl (S)	%			77	18-110	
Terphenyl-d14 (S)	%			77	18-123	

MATRIX SPIKE SAMPLE: 948432

Parameter	Units	35144459005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	1.0U	5	4.0	70	21-133	
2-Methylnaphthalene	ug/L	1.0U	5	3.9	69	21-133	
Acenaphthene	ug/L	0.083 I	5	3.2	63	47-145	
Acenaphthylene	ug/L	0.025U	5	3.5	69	33-145	
Anthracene	ug/L	0.025U	5	3.1	62	27-133	
Benzo(a)anthracene	ug/L	0.025U	5	3.1	62	33-143	
Benzo(a)pyrene	ug/L	0.025U	5	3.3	65	17-163	
Benzo(b)fluoranthene	ug/L	0.025U	5	3.1	63	24-159	
Benzo(g,h,i)perylene	ug/L	0.025U	5	1.6	33	10-219	
Benzo(k)fluoranthene	ug/L	0.025U	5	3.0	61	11-162	
Chrysene	ug/L	0.025U	5	3.1	61	17-168	
Dibenz(a,h)anthracene	ug/L	0.025U	5	1.5	30	10-227	
Fluoranthene	ug/L	0.025U	5	3.5	70	26-137	
Fluorene	ug/L	0.082 I	5	3.6	69	59-130	
Indeno(1,2,3-cd)pyrene	ug/L	0.025U	5	1.7	33	10-171	
Naphthalene	ug/L	1.0 I	5	4.0	61	21-133	
Phenanthrene	ug/L	0.025U	5	2.8	57	54-130	
Pyrene	ug/L	0.025U	5	3.5	70	52-130	
2-Fluorobiphenyl (S)	%				76	18-110	
Terphenyl-d14 (S)	%				88	18-123	

SAMPLE DUPLICATE: 948433

Parameter	Units	35144362001 Result	Dup Result	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	1.0U	1.0U		40	
2-Methylnaphthalene	ug/L	1.0U	1.0U		40	
Acenaphthene	ug/L	0.025U	0.025U		40	
Acenaphthylene	ug/L	0.025U	0.025U		40	
Anthracene	ug/L	0.025U	0.025U		40	
Benzo(a)anthracene	ug/L	0.025U	0.025U		40	
Benzo(a)pyrene	ug/L	0.025U	0.025U		40	
Benzo(b)fluoranthene	ug/L	0.025U	0.025U		40	
Benzo(g,h,i)perylene	ug/L	0.025U	0.025U		40	
Benzo(k)fluoranthene	ug/L	0.025U	0.025U		40	
Chrysene	ug/L	0.025U	0.025U		40	
Dibenz(a,h)anthracene	ug/L	0.025U	0.025U		40	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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954-582-4300

QUALITY CONTROL DATA

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

SAMPLE DUPLICATE: 948433

Parameter	Units	35144362001 Result	Dup Result	RPD	Max RPD	Qualifiers
Fluoranthene	ug/L	0.025U	0.025U		40	
Fluorene	ug/L	0.025U	0.025U		40	
Indeno(1,2,3-cd)pyrene	ug/L	0.025U	0.025U		40	
Naphthalene	ug/L	1.0U	1.0U		40	
Phenanthrene	ug/L	0.025U	0.025U		40	
Pyrene	ug/L	0.025U	0.025U		40	
2-Fluorobiphenyl (S)	%	77	77	.3		
Terphenyl-d14 (S)	%	75	77	3		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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954-582-4300

QUALITY CONTROL DATA

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

QC Batch: OEXT/17997 Analysis Method: FL-PRO
QC Batch Method: EPA 3510 Analysis Description: FL-PRO Water
Associated Lab Samples: 35144585001, 35144585002, 35144585003, 35144585004, 35144585005, 35144585006, 35144585007

METHOD BLANK: 947715 Matrix: Water
Associated Lab Samples: 35144585001, 35144585002, 35144585003, 35144585004, 35144585005, 35144585006, 35144585007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Petroleum Range Organics	mg/L	0.059U	0.10	07/09/14 01:23	
N-Pentatriacontane (S)	%	98	42-159	07/09/14 01:23	
o-Terphenyl (S)	%	85	82-142	07/09/14 01:23	

LABORATORY CONTROL SAMPLE & LCSD: 947716 947959

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Petroleum Range Organics	mg/L	5	3.6	4.0	71	81	55-118	13	20	
N-Pentatriacontane (S)	%				79	82	42-159			
o-Terphenyl (S)	%				81	88	82-142			J(S0)

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

QUALIFIERS

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

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.
J(L1)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
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(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(S0)	Estimated Value. Surrogate recovery outside laboratory control limits.
J(S5)	Estimated Value. Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
N2	The lab does not hold TNI accreditation for this parameter.
P2	Re-extraction or re-analysis could not be performed due to insufficient sample amount.
S7	Surrogate recovery outside control limits (not confirmed by re-analysis).

Pace Analytical Services, Inc.
3610 Park Central Blvd N
Pompano Beach, FL 33064
954-582-4300

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 06-3668-4/Key West Electric
Pace Project No.: 35144585

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35144585001	**PMW-1**	EPA 3510	OEXT/17997	FL-PRO	GCSV/11777
35144585002	**PMW-2**	EPA 3510	OEXT/17997	FL-PRO	GCSV/11777
35144585003	**PMW-3**	EPA 3510	OEXT/17997	FL-PRO	GCSV/11777
35144585004	**PMW-4**	EPA 3510	OEXT/17997	FL-PRO	GCSV/11777
35144585005	**PMW-5**	EPA 3510	OEXT/17997	FL-PRO	GCSV/11777
35144585006	**PMW-6**	EPA 3510	OEXT/17997	FL-PRO	GCSV/11777
35144585007	**PMW-7**	EPA 3510	OEXT/17997	FL-PRO	GCSV/11777
35144585001	**PMW-1**	EPA 3510	OEXT/18001	EPA 8270 by SIM	MSSV/6426
35144585002	**PMW-2**	EPA 3510	OEXT/18001	EPA 8270 by SIM	MSSV/6426
35144585003	**PMW-3**	EPA 3510	OEXT/18001	EPA 8270 by SIM	MSSV/6426
35144585004	**PMW-4**	EPA 3510	OEXT/18001	EPA 8270 by SIM	MSSV/6426
35144585005	**PMW-5**	EPA 3510	OEXT/18001	EPA 8270 by SIM	MSSV/6426
35144585006	**PMW-6**	EPA 3510	OEXT/18001	EPA 8270 by SIM	MSSV/6426
35144585007	**PMW-7**	EPA 3510	OEXT/18001	EPA 8270 by SIM	MSSV/6426
35144585001	**PMW-1**	EPA 8260	MSV/12139		
35144585002	**PMW-2**	EPA 8260	MSV/12139		
35144585003	**PMW-3**	EPA 8260	MSV/12157		
35144585004	**PMW-4**	EPA 8260	MSV/12157		
35144585005	**PMW-5**	EPA 8260	MSV/12157		
35144585006	**PMW-6**	EPA 8260	MSV/12157		
35144585007	**PMW-7**	EPA 8260	MSV/12139		

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WO# : 35144585

35144585

CHAIN OF CUSTODY RECORD

Page 1 of 1

Company Name:	PM Environmental PO#
Address:	2131 Hollywood Blvd, Ste 503
City:	Hollywood State: FL Zip: 33020
Attn:	Candace Chieffalo Fax#
email:	chieffalo@pmenv.com Phone: (954) 924-1884
Project Name	Key West Electric Proj # CC-3668-4
Sampler Signature	Circle One Event: Daily Weekly Monthly Quarterly Semi-Annual Annual N/A

LAB ANALYSIS

Parameters	VOCs by 8260	PAHs by 8270	TRPH by FL-PRO							EXAMPLE Diss. Lead 6010
Sample										
TRC										
pH										
Pres. Codes										
# of Containers Size/Type										1 16ozP

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code*	Field Filtered	Integrity OK(Y/N)	Total # of containers										
1	PMCO-1	7/1	855	GW	N		5		✓	✓	✓						
2	PMCO-2		1000						✓	✓	✓						
3	PMCO-3		1050						✓	✓	✓						
4	PMCO-4		1130						✓	✓	✓						
5	PMCO-5		1230						✓	✓	✓						
6	PMCO-6		1315						✓	✓	✓						
7	PMCO-7		1400						✓	✓	✓						
8																	
9																	
10																	

REMARKS

L4039-2

Container Type Codes

AV	Amber Vial	ES	Encore Sampler
CV	Clear Vial	PPV	Prepreserved vial
P	Plastic	PL C	Plastic container
AL	Amber Liter	PL J	Plastic Jar
CL	Clear Liter	Z	Ziploc bag
AP	Amber Plastic	TB	Tedlar bag
AG	Amber Glass	WP	Whirl pak
SJ	Soil Jar	G	Gallon Jug
Other		TC	Terra-core

PPV Prepreserved Vial
Size(s): 2oz, 4oz, 8oz, 16oz, 32oz or 1L, other
40ml 500ml 250ml 125 ml
Example: 4ozP = 4oz Plastic, 8ozSJ= 8oz Soil Jar

Matrix Codes

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H20	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SW	Surface Water	O	Other (Please specify)
ML	Misc. Liquid		

Preservative Type Codes

A. None	E. HCL	I. Ice
B. HNO_3	F. MeOH	J. MCAA
C. H_2SO_4	G. $Na_2S_2O_3$	K. Zn Acetate
D. NaOH	H. $NaHSO_4$	O. Other

Circle T.A.T. REQUEST (Rush Fees Approved)		Short Hold	Circle QA/QC Report Level	EDD (Fees May Apply)		COC Condition	Required State Certification	Coolers #'s - Temp °C
Standard	RUSH							
(Y) N	Today 1D 2D 3D 4D 5D ___	Y___ N___	(1) 2 3 4 CLP AFCEE QAPP Other___	ADaPT (SEDD) ERPIMS TSV CSV Other___		OK Incomplete	(FL) GA SC NC NJ PA LA TX IL ___	1 ___ 2 ___ 3 ___ 4 ___ 5 ___

Item	Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
1	CC Chieffalo	PM	7/3/14		Josh Tune	Pace	7/3/14	10:30
2	Josh Tune	Pace	7/3/14	12:15			7/3/14	1215
3								
4								

Lab Use Only	YES	NO	N/A
Non-Conformance Found?			
Samples INTACT upon arrival?			
Received on Wet Ice?			
Proper Preservatives Indicated?			
Received within holding time?			
Custody seals Intact?			
Volatiles rec'd without headspace?			
Proper Containers Used?			

C.O.C. Serial # 77626

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Document Revised: October 9, 2013
	Document No.: F-FL-C-007 rev. 05	Issuing Authorities: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

WO#: 35144585

PM: CTR Due Date: 07/10/14

CLIENT: 36-PMENV

Client Name: PM Environmental Proje

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐

Tracking # _____

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

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other _____

Thermometer Used F109 **Type of Ice:** Wet Blue None

Cooler Temperature°C 4.3 (Visual) 0.0 (Correction Factor) 4.3 (Actual)

Date and Initials of person examining contents: _____

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

☐ Yes ☑ No

Receipt of samples satisfactory: ☑ Yes ☐ No

Rush TAT requested on COC:

If yes, then all conditions below were met:	If no, then mark box & describe issue (use comments area if necessary):
Chain of Custody Present	☐
Chain of Custody Filled Out	☐
Relinquished Signature & Sampler Name COC	☐
Samples Arrived within Hold Time	☐
Sufficient Volume	☐
Correct Containers Used	☐
Containers Intact	☐
Sample Labels match COC (sample IDs & date/time of collection)	☐ No Labels: ☐ No Time/Date on Labels: ☐
All containers needing preservation are found to be in compliance with EPA recommendation.	☐
No Headspace in VOA Vials (>6mm):	☐

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ **Date:** _____

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

Extra Sample in Shed: Yes No

Size & Qty of Bottles Received

_____ x 5 Gal
_____ x 2.5 Gal
_____ x 1 Gal
_____ x 1 Liter
_____ x 500 mL
_____ x 250 mL
_____ x Other: _____