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4TH QUARTER, 1ST YEAR NATURAL ATTENUATION MONITORING REPORT

101-111 Geraldine Street | Key West, Florida
PM Project Number 06-3668-4
FDEP Comet Site ID #303264

Prepared for:

Florida Department of Environmental Protection
South District Office
Bureau of Waste Management
2295 Victoria Avenue, Suite 364
Fort Myers, Florida 33902

Prepared by:

PM Environmental, Inc.
2131 Hollywood Boulevard, Suite 503
Hollywood, Florida 33020

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July 10, 2015

Mr. Mark A. Sautter
Florida Department of Environmental Protection
South District Office
Bureau of Waste Management
2295 Victoria Avenue, Suite 364
P.O. Box 2549
Fort Myers, Florida 33902-2549

Re: Fourth Quarter, First Year Natural Attenuation Monitoring Report
For the Former Key West Gas and Electric Company
Located at 101-111 Geraldine Street in Key West, Florida
PM Environmental, Inc. Project No. 06-3668-4
FDEP Comet Site ID #303264

Dear Mr. Sautter:

PM Environmental, Inc. (PM) has completed this Fourth Quarter, First Year Natural Attenuation Monitoring Report for the Former Key West Gas and Electric property located at 101-111 Geraldine Street in Key West, Monroe County, Florida. The attached report is a summary of the field activities and results of the groundwater sampling event.

If you have any questions regarding the information in this report, please contact us at (954) 924-1801.

Sincerely,
PM ENVIRONMENTAL, INC.

Candace E. Chin Fatt
Project Manager

Elliot J. Nightingale, P.G.
Senior Consultant

cc: Mr. Stanley Rzad, Keys Energy Services

Enclosure

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4TH QUARTER, 1ST YEAR NATURAL ATTENTUATION MONITORING REPORT

FORMER KEY WEST GAS AND ELECTRIC COMPANY
LOCATED AT 101-111 GERALDINE STREET
KEY WEST, MONROE COUNTY, FLORIDA
FDEP Comet Site ID #303264

Prepared by

PM Environmental, Inc.
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PM Project Number 06-3668-4

In accordance with the provisions of Florida Statutes, Chapter 492, the Fourth Quarter, First Year Natural Attenuation Monitoring Report for the Former Key West Gas and Electric Company located at 101-111 Geraldine Street in Key West, Monroe County, Florida, has been prepared under the direct supervision of a Professional Geologist registered in the State of Florida. This report has been determined to be in accordance with good professional geological practices pursuant to Chapter 492 of the Florida Statutes and Chapter 62-770, Florida Administrative Code (FAC) as it applies to the work described herein. The data, findings, recommendations, specifications or professional opinions were prepared solely for the use of Keys Energy Services. PM makes no other warranty; either expressed or implied, and is not responsible for the interpretation by others of these data.

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1.0 INTRODUCTION

PM Environmental, Inc. (PM) was retained by Keys Energy Services to conduct quarterly groundwater sampling events at the Former Key West Gas and Electric Company located at 101-111 Geraldine Street in Key West, Monroe County, Florida (hereafter referred to as the "subject property") as shown on Figure 1, in response to the Florida Department of Environmental Protection's (FDEP's) correspondence, dated August 10, 2010, for the discharge discovered on June 21, 1992 at the above-referenced facility, and the Natural Attenuation Monitoring Plan (NAMP) Approval Order (Order) issued on August 28, 2014. In addition, a FDEP correspondence, dated December 15, 2014, approved the continuation of the quarterly sampling and also noted that the consultant should continue to attempt to obtain the Offsite Access Agreement in order to install the additional monitoring well to be situated northeast of PMW-1. However, a correspondence, dated December 18, 2015, from Keys Energy Services noted that the offsite property owner, Mr. Charles Klapp, was not in support of having a monitoring well installed on his property. The FDEP and Keys Energy Services correspondences are included as Appendix A.

The Fourth Quarter, First Year Natural Attenuation Monitoring Report (NAMR) summarizes the results of the groundwater monitoring activities conducted by PM during May 2015. The objective of the monitoring event is to document groundwater concentrations pursuant to the approved Natural Attenuation Monitoring Plan (NAMP) and established criteria to meet the requirements for a No Further Action with Conditions (NFAC).

2.0 SITE BACKGROUND

Refer to Figure 1, Property Vicinity Map; and Figure 2, Generalized Diagram of the Subject Property and Surrounding Properties, for the location and boundaries to the subject property.

The subject property consists of eight parcels containing approximately 0.78 acres and 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.

PREVIOUS SITE INVESTIGATIONS

PM reviewed the following reports pertaining to previous environmental investigation completed at the subject property:

- Contamination Assessment Report (CAR), September 1991, CH2M Hill;
- CAR Addendum, July 1992, CH2M Hill;
- Remedial Action Plan (RAP), October 1992, CH2M Hill;
- Remedial Action Plan Modification, June 1993, PDG Environmental Services;
- 1st Quarter Groundwater Monitoring Report, April 4, 1994, CH2M Hill;

- Third Quarter Monitoring Only Water Quality Results, April 17, 1995, PDG Environmental Services;
- Site Rehabilitation Completion Order, July 27, 1995, FDEP;
- Enhanced Pre-CERCLIS Screening Assessment Checklist/Decision Form, January 7, 2011, FDEP;
- Abbreviated Preliminary Assessment Checklist, October 31, 2011, FDEP; and
- Site Inspection Report, October 16, 2012, FDEP.

According to the information obtained from the regulatory files reviewed, a release was identified in March 1991 based on the presence of free phase hydrocarbons within a concrete lined pit located east of the main building. Free product was also subsequently identified in MW-7, which was located to the northwest of the pit. As a result of the identification of free product, the former aboveground storage tanks (ASTs) and the concrete lined pit were emptied, cleaned, and removed in August 1992. A total of approximately 30,000 gallons of free product/impacted groundwater and 3,850 cubic yards of impacted soil was removed from the property during decommissioning activities and disposed of off-site. The extent and location of the excavation was not documented in previous reports. In addition, approximately 100 gallons of free product was removed from MW-7 between 1991 and 1992. Subsequent groundwater sampling between 1992 and 1995 did not identify free product within MW-7. The most recent sampling in 1994 and 1995 did not identify concentrations of polynuclear aromatic hydrocarbons (PAHs) or total recoverable petroleum hydrocarbons (TRPHs) above the most restrictive FDEP Groundwater Cleanup Target Levels (GCTLs) in the area of the former ASTs or former concrete pit. The FDEP issued a Site Rehabilitation Completion Order (SRCO) for the release on July 27, 1995, and PM has identified the closed leaking underground storage tanks (LUST) release at the property as a historical Recognized Environmental Condition (REC).

An additional assessment was completed on behalf of the FDEP in August 2012 to further assess the historical operations at the subject property and to determine if the property qualified as a Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) site. Soil and groundwater samples were submitted for laboratory analysis of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), the Resource Conservation and Recovery Act (RCRA) eight metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver), and cyanide. Analytical results identified concentrations of PAHs, arsenic, and lead above FDEP Soil Cleanup Target Levels (SCTLs) in shallow soil samples to the southwest of the machine shop building. In addition, concentrations of isopropyl benzene and PAHs were identified above FDEP GCTLs in groundwater samples from the central portion of the property.

Sediment sampling from a storm water catch basin to the south of the subject property, across Fort Street, identified a concentration of lead above FDEP Sediment Quality Assessment Guidelines.

Based on the concentrations of contaminants identified at the subject property, no additional CERCLIS investigation was recommended. The facility did not qualify as a CERCLIS site, and the identified contamination was referred to the FDEP for additional investigation.

The FDEP issued correspondence on August 10, 2010, approving the LSRAR by Envirotek and further concurred with the recommendations outlined by Envirotek.

PM completed the following site investigations at the subject property for which the findings are summarized below:

- Phase I Environmental Site Assessment (ESA), July 26, 2013;
- Phase II ESA, October 8, 2013;
- Site Assessment Report (SAR), March 10, 2014; and
- Supplemental SAR (SSAR), August 25, 2014.

The Phase I ESA completed by PM (PM Project Number 06-3668-0), dated July 26, 2013 identified the following RECs:

- Assessment activities on behalf of the FDEP in August 2012 to further assess the historical operations at the subject property identified concentrations of PAHs, arsenic, and lead above FDEP SCTLs in shallow soil samples to the southwest of the machine shop building. In addition, concentrations of isopropylbenzene and PAHs were identified above FDEP GCTLs. This contamination appears to be associated with former operations on the subject property.

- The subject property operated as a manufactured gas plant (MGP) from approximately 1884 until 1889. Operations of MGPs typically involved the gasification of combustible materials such as coal, wood, or oil. A former retort room, which is a processing area, and a former gasometer, which was a storage container for gas, were identified on the eastern portion of the property. The by-products of the gasification process typically included petroleum products and/or hazardous substances, including coal tars. The potential exists for a release to have occurred in association with the operation of the former MGP.

- Sanborn maps document the presence of six former 25,000-gallon crude oil ASTs along the southern property boundary between at least 1912 and 1926. In addition, two former crude oil ASTs were identified to the east of the main building. Limited sampling has been conducted in these areas that is not adequate to assess the potential for leaks, spills, and/or overfills to have occurred in association with these former ASTs; therefore, the potential exists for subsurface contamination to be present.

- The subject property operated as a power plant, which utilized petroleum products as a fuel source, from approximately 1890 until the 1950s/1960s. The potential exists for leaks and/or spills to have occurred in association with the operation of the turbine generators and/or other equipment within the main building and on various portions of the property. The integrity of the floor beneath the generators is unknown; therefore, the potential exists for subsurface impact to be present.

- Former machine shops were identified on the property within the southwestern portion of the main building and within the machine shop. Machine shop operations typically involve the use of general hazardous substances and/or petroleum products. This time period preceded major environmental regulations and current waste management and disposal procedures. The historical waste management practices associated with the former machine shop operations are unknown and may be a source of subsurface contamination.

The following adjoining and/or nearby RECs were identified:

- The north adjoining properties were formerly part of the Truman Annex, which was a part of Naval Air Station Key West, from at least 1892 until 1971. Sanborn maps document the property was occupied by U.S. governmental land dating back to at least 1892. The historic usage of these properties associated with the former military base is unknown from at least 1892 until 1958. Therefore, the potential exists for operations to have included the use of petroleum products and/or hazardous substances, and/or landfilling activities to have occurred.

- The south adjoining properties, identified as 110-118 Geraldine Street, was occupied by a Standard Oil bulk petroleum plant. The potential exists for leaks, spills, and/or overfills associated with the operation of a former bulk petroleum plant to have resulted in migration of contamination onto the subject property.

- The west adjoining property was occupied by U.S. governmental land from at least 1892 until 1926. Specifically, a governmental slip was identified directly west of the property in 1892. According to previous investigations on the subject property, this property was filled in the 1890s or early 1990s. The potential exists for the fill materials to have originated from a contaminated property. Therefore, the potential exists for migration of contamination onto the subject property.

Subsequent to the Phase I ESA, PM completed a Phase II ESA, dated October 8, 2013, which consisted of advancing 16 soil borings (SB-1 through SB-16), installing 10 temporary monitoring wells (TMW-1, TMW-4, TMW-5D, TMW-6D, TMW-7 through TMW-11, and TMW-14), and collecting soil and groundwater samples for laboratory analysis to investigate the RECs identified in PM's Phase I ESA dated July 26, 2013. A total of 16 soil and 10 groundwater samples were submitted for laboratory analysis of VOCs, PAHs, TRPHs, and 8 RCRA Metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver), or some combination thereof.

Results of the Phase II ESA indicated concentrations of PAHs, TRPHs, and metals (arsenic, barium, and lead) in the soil above the FDEP SCTLs, and VOCs, PAHs, and TRPHs in the groundwater above the FDEP GCTLs, and the Natural Attenuation Default Concentrations (NADCs), as set forth in Chapter 62-777, Florida Administrative Code (FAC), which are not defined vertically or horizontally. Based on the history of the subject property, the contaminants detected in the soil and groundwater are consistent with the historic use of the subject property as a gas and electric plant, and consistent with previously reported soil and groundwater impacts.

Following discussions with the FDEP, PM completed a SAR, dated March 10, 2014, which included the installation of seven permanent monitoring wells and collection of groundwater samples for laboratory analysis of VOCs, PAHs, and TRPHs to further define the contaminants of concern identified during the Phase II ESA. Results of the SAR indicated VOC and PAH groundwater impact to be defined on the subject property, with the exception of PMW-1, where off-site migration is likely. PM recommended the implementation of a Monitoring Only Plan (MOP) to include quarterly groundwater monitoring for a minimum of one year. On March 25, 2014, the FDEP issued a comments letter regarding the SAR.

PM completed a Supplemental SAR (SSAR), dated August 25, 2014 which addressed the FDEP's comments as well as results of the First Quarterly Groundwater Monitoring event. The groundwater sampling results indicated that the VOC and PAH concentrations in groundwater appeared to decrease. Continuation of the MOP was recommended. On August 28, 2014, the FDEP issued correspondence approving the SSAR and the Natural Attenuation Monitoring (NAM) program.

3.0 GROUNDWATER SAMPLING EVENT

On May 7, 2015, PM sampled seven monitoring wells (PMW-1 through PMW-7) and collected groundwater samples for laboratory analysis of VOCs and PAHs to investigate the current environmental condition at the subject property. The monitoring well locations are depicted on Figures 3, 4 and 5. Groundwater sampling logs are included in Appendix B.

3.1 Subsurface Investigation Techniques

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.

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 and PAHs by EPA Method 8270. Groundwater analytical results are summarized in Table 1 and depicted on Figure 3. Refer to Appendix C for a copy of the laboratory analytical report.

3.2 Subsurface Geology and Hydrogeology

Key West is located in the Oolite Keys geomorphologic feature of the Southern or Distal Zone geomorphologic province. The lower Florida Keys are an extension of the same oolitic limestone lithology underlying Miami and much of the southeastern Florida. The Keys represent coral reef colonies which built up during the Pleistocene Epoch as a result of fluctuations in sea level. The last major drop in sea level exposed the ancient reefs which make up the Keys today.

The Pleistocene Age deposits underlying the subject property include, in descending order, the Miami Limestone (Miami Oolite) and the Key Largo Limestone. The Pleistocene deposits are underlain, in descending order, by the Hawthorn Group (Miocene age) and the Suwannee Limestone (Oligocene age).

The Miami Limestone (5 to 35 feet thick) is composed of white-cream to pale orange, crystalline, granular, and porous to cavernous oolitic limestone. The ooliths may be up to 2.0 millimeters (mm) in diameter. The existence and plentitude of corals and other marine fossils indicates deposition in a marine environment. The oolitic limestone is honeycombed with solution holes, giving it an extremely high permeability. Porosity generally increases with depth. The solution holes may connect with channels open to the ocean. This interconnection would allow for interchange of rainwater to the ocean and sea water into the oolitic limestone. The oolitic limestone in Key West extends to a depth of about 200 feet.

The coralline Key Largo Limestone underlies the Miami Limestone in the lower (oolite) keys. The Key Largo Limestone is a white to tan limestone, consisting of lime-sand, coral skeletal remains and invertebrate shells, marine plant and algal debris. The thickness of the Key Largo Limestone varies irregularly from 75 to over 200 feet.

The Hawthorn Group includes the Arcadia and Peace River Formations. The Hawthorn Group consists primarily of interbedded carbonates (limestone, dolostone), quartz sands and clays. The Hawthorn is considered to be a confining unit that is approximately 900 feet thick in the Key West area. The Suwannee Limestone is composed of highly fossiliferous, cream colored limestone and is found approximately 1,300 feet bls in the Key West area.

The Miami and Key Largo Limestones together comprise the surficial aquifer on the island. A freshwater lens exists on the western half of the island. No measurable fresh water lens exists in the eastern half of the island due to extensive areas of artificial fill. A fresh groundwater lens exists on the top of the saltwater due to the density differences. The lens exists under water-table conditions and is found between 5 to 8 feet bls in the site area. The water table fluctuates and the shape of the lens changes due to tidal effects. Precipitation is the primary type of recharge to the fresh water lens. The lens is approximately 5 feet thick (less than 250 milligrams per liter (mg/l) chloride) in the center of the island. The freshwater head is greater in the center of the island where land surface elevations are higher. Ground water moves from the center of the lens and discharges along beaches and salt ponds. Based on regional flow patterns, the surficial aquifer flow in the subject property area is to the southwest.

The surficial aquifer system in Key West is generally not considered to be an adequate or reliable source of potable water. As stated earlier, due to the density differences, a small freshwater lens floats on top the salt water. The freshwater lens on Key West has chloride concentrations varying from zero to 250 mg/l. It is underlain by a number of successively deeper transition zones. These transition zones become progressively more saline with depth and include a very slightly saline water zone (250-400 mg/l), and slightly saline water zone (400-1,500 mg/l), a moderately saline water zone (1,500-5,000 mg/l) and very saline water zone (5,000-19,000 mg/l). The water table has been known to fluctuate from 0.8 feet above mean sea level (MSL) to 2.4 feet above MSL near the center of Old Town. Tidal effects greatly influence the depth to water table and configuration of the freshwater lens. The freshwater lens averages about 5 inches in thickness in the center of the western half (Old Town) of Key West. The thickness and amount of the freshwater is dependent on precipitation, discharge to the ocean, evapotranspiration and withdrawal. It is underlain by a freshwater-saltwater mixture. This mixture extends to a depth of about 40 feet deep in the center of the island. The salt-water interface (19,000 mg/l chloride) exists around this depth. A number of private wells may tap the fresh-water lens in the western half of the island. Most of them are used primarily for irrigation purposes. However, Florida Keys Aqueduct Authority (FKAA) and Monroe County Health Department (MCHD) report that an undetermined number of residents on the island refuse to hookup to the FKAA water lines and use private wells for portable water. The FKAA water lines provide potable water to the Keys from the mainland and water treatment facilities located on the Keys.

The Suwannee Limestone forms the upper part of the Floridian aquifer system in south Florida. This aquifer exists under artesian conditions. Water in this aquifer is saline and unsuitable as a potable water source.

Groundwater was encountered between 3.5 and 4.8 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.

3.3 Quality Assurance and Quality Control

Field sampling equipment was cleaned prior to performing work on the subject property to minimize the possibility of cross contamination. These procedures included cleaning the equipment with a phosphate free solution (i.e., Alconox®) and rinsing with distilled water.

4.0 ANALYTICAL RESULTS

The groundwater analytical results were compared to the FDEP's GCTLs and 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 3. A copy of the laboratory analytical report is included in Appendix C.

Concentrations of VOC analytes n-butylbenzene (PMW-1 and PMW-6), sec-butylbenzene (PMW-2 and PMW-3), chloromethane (PMW-6), 1,2,-dichloroethane (PMW-6), ethylbenzene (PMW-2), isopropyl benzene (PMW-1 and PMW-2), p-isopropylbenzene (PMW-2, PMW-6, PMW-7), n-propylbenzene (PMW-1, PMW-2, PMW-6), toluene (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, PMW-2, PMW-6) were detected above their respective laboratory method detection limits (MDLs), but below the FDEP GCTLs, except for chloromethane at PMW-6; isopropyl benzene, 1,2,3-trimethylbenzene at PMW-1 and PMW-2; 1,2,4-trimethylbenzene at PMW-2; and 1,3,5-trimethylbenzene at PMW-1. Additionally, the concentration of isopropyl benzene at PMW-1 was detected above the FDEP NADC. No other concentrations of VOC analytes were detected above the laboratory MDLs in the groundwater samples collected. A groundwater concentration map for the VOCs which exceed the FDEP GCTLs is depicted on Figure 4.

Concentrations of PAH analytes acenaphthene (PMW-1 and PMW-2), acenaphthylene (PMW-1, PMW-2, PMW-3,), anthracene (PMW-1, PMW-2, PMW-3, PMW-5, PMW-6), benzo(a)anthracene (PMW-1 and PMW-2), benzo(a)pyrene (PMW-1 and PMW-2), benzo(k)fluoranthene (PMW-1), benzo(b)fluoranthene (PMW-1, PMW-2, PMW-3), benzo(g,h,i)perylene (PMW-1), fluoranthene (PMW-1, PMW-2, PMW-3, PMW-5, PMW-6), fluorene (PMW-1, PMW-2, PMW-3, PMW-5, PMW-6, PMW-7), indeno(1,2,3-cd)pyrene (PMW-1), naphthalene (PMW-1, PMW-2, PMW-6, PMW-7), phenanthrene (PMW-1, PMW-2, PMW-3, PMW-5, PMW-6), pyrene (PMW-1, PMW-2, PMW-3, PMW-5, PMW-6), 1-methylnaphthalene (PMW-1 and PMW-2), and 2-methylnaphthalene (PMW-1 and PMW-2) were detected above their respective laboratory MDLs, but below the FDEP GCTLs, except for acenaphthene at PMW-2; benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and benzo(k)fluoranthene at PMW-1; and naphthalene and 1-methylnaphthalene at PMW-1 and PMW-2. Additionally, the concentrations of naphthalene were detected above the FDEP NADCs at PMW-1 and PMW-2. No other concentrations of PAH analytes were detected above the laboratory MDLs in the groundwater samples collected. A groundwater concentration map for the PAHs which exceed the FDEP GCTLs is depicted on Figure 5.

5.0 CONCLUSIONS AND RECOMMENDATIONS

On May 7, 2015, PM completed a groundwater sampling event that consisted of sampling seven monitoring wells and collecting groundwater samples for laboratory analysis to document groundwater conditions pursuant to the approved NAMP.

Results of the Fourth Quarterly Natural Attenuation Sampling event identified groundwater concentrations of VOC analytes chloromethane at PMW-6 (7.2 µg/L) which exceeds the FDEP GCTL of 2.7 µg/L; isopropyl benzene at PMW-1 (11.8 µg/L) and PMW-2 (4.2 µg/L) which exceed the FDEP GCTL of 0.8 µg/L; 1,2,3-trimethylbenzene at PMW-1 (13.8 µg/L) and PMW-2 (12.3 µg/L), 1,2,4-trimethylbenzene at PMW-2 (10.3 µg/L) and 1,3,5-trimethylbenzene at PMW-1 (11.9 µg/L) which exceed their respective FDEP GCTLs of 10 µg/L. Concentrations of PAH analytes acenaphthalene were detected at PMW-2 (23.2 µg/L) which exceeds the FDEP GCTL of 20 µg/L; benzo(a)pyrene at PMW-1 (0.95 µg/L) which exceeds the FDEP GCTL of 0.2 µg/L, benzo(a)anthracene and benzo(b)fluoranthene at PMW-1 (0.079I and 0.94 µg/L, respectively) which exceeds their FDEP GCTLs of 0.05 µg/L; benzo(k)fluoranthene at PMW-1 (0.58 µg) which exceeds the FDEP GCTLs of 0.5 µg/L; naphthalene at PMW-1 (181 µg/L) and PMW-2 (179 µg/L) which exceeds the FDEP GCTL of 14 µg/L; and 1-methylnaphthalene at PMW-1 (33 µg/L) and PMW-2 (52 µg/L) which exceeds the FDEP GCTL of 28 µg/L as set forth in Chapter 62-777, FAC. All of the analytes detected were below the FDEP NADCs, except for isopropylbenzene at PMW-1, and naphthalene at PMW-1 and PMW-2.

Based upon the analytical results, the VOC and PAH plumes appear to be stable compared with the previous sampling events.

PM has documented four quarters of groundwater sampling analysis, which has demonstrated that the impacted groundwater plume is stable with limited likely migration of contaminated groundwater for the northeast of the subject property. Therefore, PM, on behalf of its client, requests a No Further Action (NFA) with conditions for the subject property.

This report has been reviewed for its completeness and accuracy. Please feel free to contact our office at (954) 924-1801 to discuss this report.

REPORT PREPARED BY:

Candace E. Chin Fatt
Project Manager

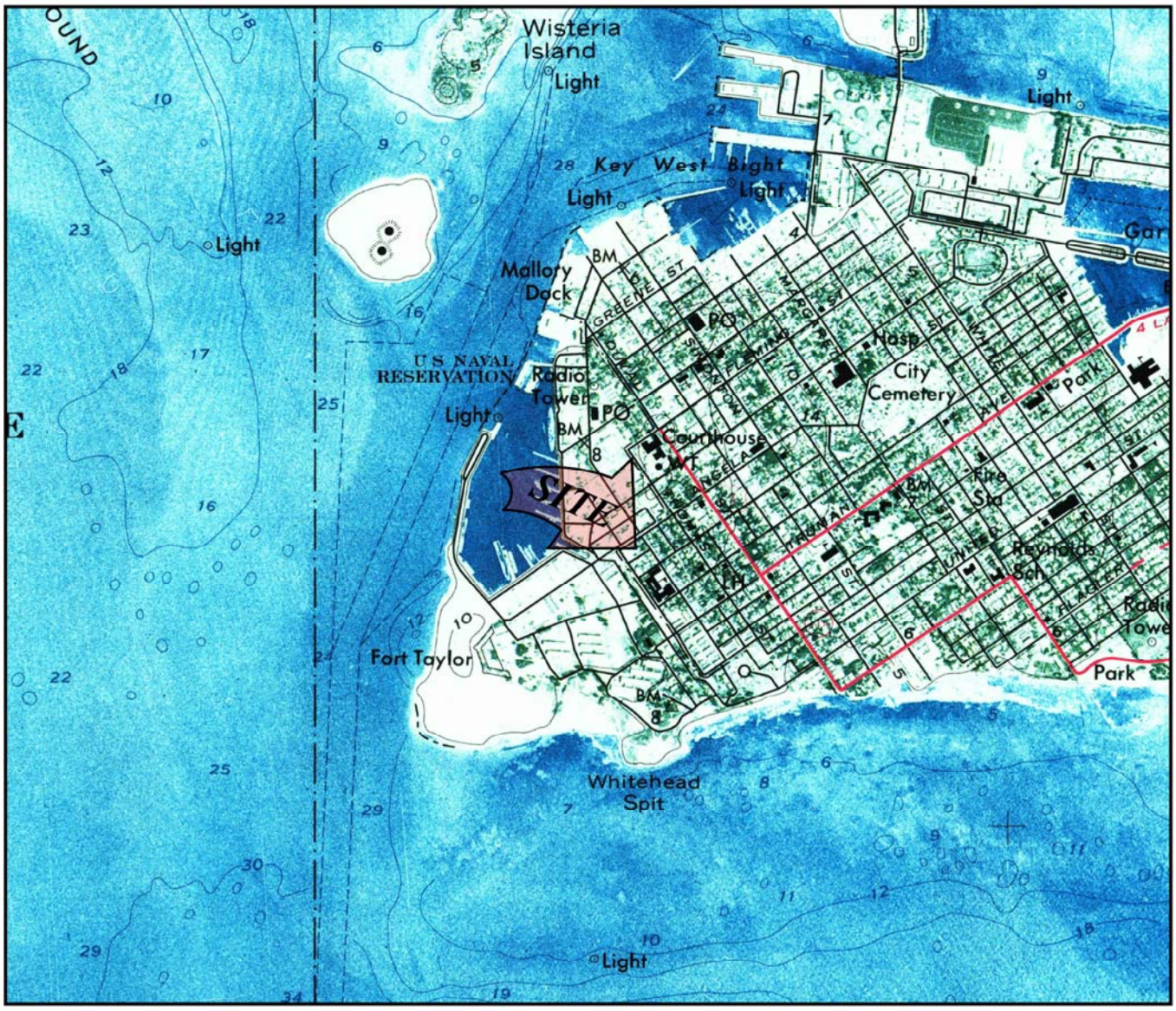
REPORT REVIEWED BY:

Christie L. Santiago
Senior Project Engineer

Elliot J. Nightingale, P.G.
Senior Consultant
Florida Professional Geologist No. PG 2809

Figures

PM ENVIRONMENTAL Environmental & Engineering Services



FLORIDA QUADRANGLE LOCATION

MONROE COUNTY

SCALE 1:24,000

1 MILE 1/2 MILE 0 1 MILE

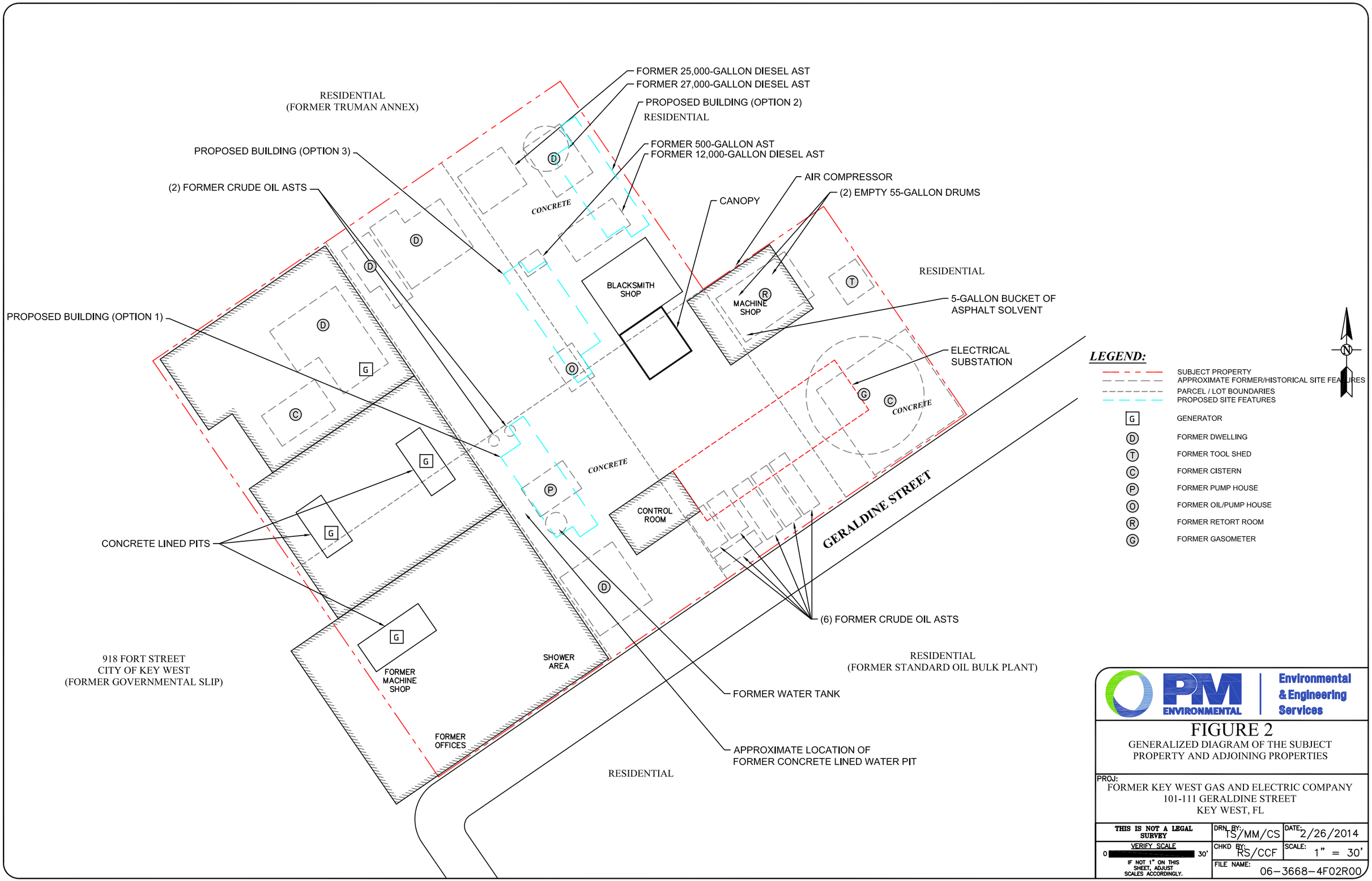
FIGURE 1

PROPERTY VICINITY MAP

USGS, 7.5 MINUTE SERIES

KEY WEST, FL QUADRANGLE, 1971.

PM ENVIRONMENTAL Environmental & Engineering Services	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' IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	DRN BY: TS/CS	DATE: 2/10/2014
			CHKD BY: RS/CCF	SCALE: 1" = 2,000'
			FILE NAME: 06-3668-4F01R00	


RESIDENTIAL
(FORMER TRUMAN ANNEX)
FORMER 25,000-GALLON DIESEL AST
FORMER 27,000-GALLON DIESEL AST
PROPOSED BUILDING (OPTION 2)
RESIDENTIAL
PROPOSED BUILDING (OPTION 3)
FORMER 500-GALLON AST
FORMER 12,000-GALLON DIESEL AST
(2) FORMER CRUDE OIL ASTS
AIR COMPRESSOR
(2) EMPTY 55-GALLON DRUMS
CANOPY
CONCRETE
BLACKSMITH SHOP
MACHINE SHOP
RESIDENTIAL
5-GALLON BUCKET OF ASPHALT SOLVENT
PROPOSED BUILDING (OPTION 1)
ELECTRICAL SUBSTATION
CONCRETE
CONCRETE
CONTROL ROOM
GERALDINE STREET
CONCRETE LINED PITS
(6) FORMER CRUDE OIL ASTS
918 FORT STREET
CITY OF KEY WEST
(FORMER GOVERNMENTAL SLIP)
SHOWER AREA
FORMER MACHINE SHOP
RESIDENTIAL
(FORMER STANDARD OIL BULK PLANT)
FORMER WATER TANK
FORMER OFFICES
APPROXIMATE LOCATION OF FORMER CONCRETE LINED WATER PIT
RESIDENTIAL
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
N
PM ENVIRONMENTAL
Environmental & Engineering Services
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
VERIFY SCALE
0 30'
IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.
DRN BY: TS/MM/CS
DATE: 2/26/2014
CHKD BY: RS/CCF
SCALE: 1" = 30'
FILE NAME: 06-3668-4F02R00

PMW-5		PMW-5		PMW-5		PMW-5		PMW-5	
1/29/2014		7/1/2014		11/6/2014		2/11/2014		5/7/2015	
2.30 ~ 12.30'	SCREEN	2.30 ~ 12.30'	SCREEN	2.30 ~ 12.30'	SCREEN	2.30 ~ 12.30'	SCREEN	2.30 ~ 12.30'	SCREEN
ACETONE	10.9	sec-BUTYLB	1.3	n-PROP	0.52	sec-BUTYLB	0.69	VOCs	<MDL
n-BUTYLB	0.85	ISOP	1.3	OTHER VOCs	<MDL	OTHER VOCs	<MDL	ACETHY	0.23
sec-BUTYLB	2.0	n-PROP	1.2	ACE	0.66	ACE	0.9	ANT	0.14
tert-BUTYLB	0.51	OTHER VOCs	<MDL	ACETHY	0.19	ACETHY	0.32	FL	0.030
Chl	1.3	ACE	0.68	ANT	0.089	ANT	0.26	F	1.2
ISOP	3.6	ACETHY	0.21	FL	0.029	FL	0.045	Ph	0.091
n-PROP	4.9	F	1.7	F	1.5	F	2.0	Py	0.088
OTHER VOCs	<MDL	1-M	9.8	Ph	0.33	Ph	0.28	OTHER PAHs	<MDL
ACE	1.0	2-M	5.7	Py	0.075	Py	0.099		
ACETHY	0.36	OTHER PAHs	<MDL	1-M	3.1	1-M	2.3		
ANT	0.21	TRPH	340	OTHER PAHs	<MDL	OTHER PAHs	<MDL		
FL	0.049			TRPH	680				
F	2.4								
Ph	2.6								
Py	0.12								
1-M	35.5								
2-M	46.6								
OTHER PAHs	<MDL								
TRPH	810								

PMW-6		PMW-6		PMW-6		PMW-6		PMW-6	
1/29/2014		7/1/2014		11/6/2014		2/11/2014		5/7/2015	
2.10 ~ 12.10'	SCREEN	2.10 ~ 12.10'	SCREEN	2.10 ~ 12.10'	SCREEN	2.10 ~ 12.10'	SCREEN	2.10 ~ 12.10'	SCREEN
n-BUTYLB	1.7	sec-BUTYLB	0.78	ISOP	0.57	VOCs	<MDL	n-BUTYLB	0.54
sec-BUTYLB	2.4	tert-BUTYLB	0.66	OTHER VOCs	<MDL	ACE	0.7	CHLOROMETHANE	7.2
tert-BUTYLB	0.54	ISOP	0.81	ACE	0.96	ACETHY	0.16	1,2-DCA	0.60
ISOP	3.9	OTHER VOCs	<MDL	ACETHY	0.20	ANT	0.23	ISOP	0.85
n-PROP	6.4	ACE	0.98	ANT	0.12	FL	0.057	p-ISOPT	0.79
1,2,3-TMB	1.2	ACETHY	0.22	FL	0.049	F	0.84	n-PROP	0.61
OTHER VOCs	<MDL	F	1.4	F	1.4	Ph	0.24	X	2.4
ACE	2.1	Ph	0.72	Ph	0.7	Py	0.12	OTHER VOCs	<MDL
ACETHY	0.67	1-M	8.3	Py	0.069	OTHER PAHs	<MDL	ANT	0.14
ANT	0.28	2-M	1.2	1-M	1.6			FL	0.056
FL	0.077	OTHER PAHs	<MDL	2-M	2.7			F	0.76
F	3.9	TRPH	420	OTHER PAHs	<MDL			NAPH	3.6
NAPH	2.6			TRPH	1,000			Ph	0.34
Ph	4.2							Py	0.062
Py	0.10							OTHER PAHs	<MDL
1-M	61.0								
2-M	88.5								
OTHER PAHs	<MDL								
TRPH	1,700								

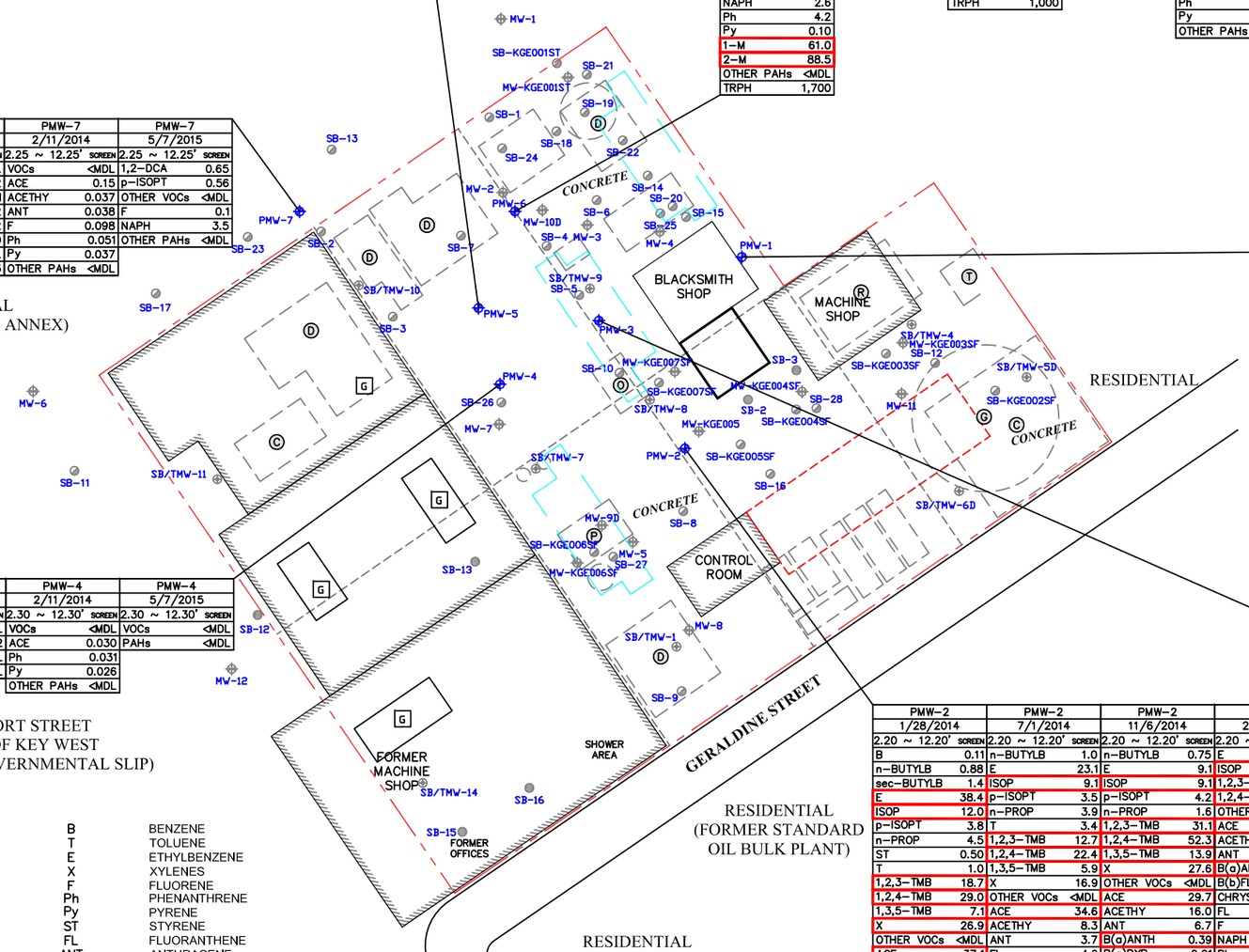
PMW-1		PMW-1		PMW-1		PMW-1		PMW-1	
1/28/2014		7/1/2014		11/6/2014		2/11/2015		5/7/2015	
1.90 ~ 11.90'	SCREEN	1.90 ~ 11.90'	SCREEN	1.90 ~ 11.90'	SCREEN	1.90 ~ 11.90'	SCREEN	1.90 ~ 11.90'	SCREEN
B	0.21	Bro-Ben	1.4	Bro-Ben	1.3	n-BUTYLB	1.7	n-BUTYLB	1.5
n-BUTYLB	3.0	n-BUTYLB	3.0	n-BUTYLB	1.8	E	1.4	ISOP	11.8
E	3.3	E	2.5	E	1.4	ISOP	32.6	n-PROP	3.4
ISOP	48.4	ISOP	43.6	ISOP	28.2	p-ISOPT	2.4	1,2,3-TMB	13.8
p-ISOPT	5.6	p-ISOPT	4.9	p-ISOPT	2.7	n-PROP	8.1	1,2,4-TMB	3.8
n-PROP	15.7	n-PROP	14.6	n-PROP	8.2	1,2,3-TMB	38.4	1,3,5-TMB	11.9
ST	1.4	T	3.5	1,2,3-TMB	28.7	1,2,4-TMB	10.1	X	7.5
T	1.1	1,2,3-TMB	54.7	1,2,4-TMB	11.4	1,3,5-TMB	26.6	OTHER VOCs	<MDL
1,2,3-TRI	2.4	1,2,4-TMB	49	1,3,5-TMB	38.3	X	29.9	ACE	3.8
1,2,3-TMB	61.6	1,3,5-TMB	74.9	X	26	OTHER VOCs	<MDL	ACETHY	5.5
1,2,4-TMB	86.3	X	49.7	OTHER VOCs	<MDL	ACE	10.3	ANT	2.0
1,3,5-TMB	85.2	OTHER VOCs	<MDL	ACE	10.2	ACETHY	8.3	B(a)ANTH	0.079
X	71.9	ACE	11.3	ACETHY	12.7	CHRYSENE	0.095	B(a)PYR	0.95
OTHER VOCs	<MDL	ACETHY	12	ANT	3.7	ANT	2.6	B(b)FLA	0.94
ACE	14.4	ANT	2.9	B(a)ANTH	0.31	FL	1.5	B(k)FLA	0.58
ACETHY	27.5	FL	0.92	B(a)PYR	0.23	F	11.6	B(g,h,i)PER	1.8
ANT	4.6	F	13.3	B(b)FLA	0.46	NAPH	361	FL	1.6
B(a)ANTH	0.16	NAPH	1,390	CHRYSENE	0.038	Ph	29.9	F	5.1
B(b)FLA	0.027	Ph	35.2	FL	1.8	Py	2.7	I(1,2,3-CD)PY	1.9
B(k)FLA	0.028	Py	2.5	F	12.8	1-M	163	NAPH	181
CHRYSENE	0.18	1-M	123	NAPH	677	2-M	41.1	Ph	13.6
FL	2.4	2-M	121	Ph	35.4	OTHER PAHs	<MDL	Py	3.7
F	21.0	OTHER PAHs	<MDL	Py	3.5			1-M	33
NAPH	1,480	TRPH	3,700	1-M	129			2-M	9.9
Ph	41.7			2-M	90.7			OTHER PAHs	<MDL
Py	4.9			OTHER PAHs	<MDL				
1-M	259			TRPH	3,000				
2-M	335								
OTHER PAHs	<MDL								
TRPH	6,300								

PMW-7		PMW-7		PMW-7		PMW-7		PMW-7	
1/29/2014		7/1/2014		11/6/2014		2/11/2014		5/7/2015	
2.25 ~ 12.25'	SCREEN	2.25 ~ 12.25'	SCREEN	2.25 ~ 12.25'	SCREEN	2.25 ~ 12.25'	SCREEN	2.25 ~ 12.25'	SCREEN
ACETONE	11.6	VOCs	<MDL	VOCs	<MDL	VOCs	<MDL	1,2-DCA	0.65
sec-BUTYLB	0.78	ACE	0.058	ACE	0.2	ACE	0.15	p-ISOPT	0.56
ISOP	1.1	F	0.090	ACETHY	0.051	ACETHY	0.037	OTHER VOCs	<MDL
n-PROP	2.7	OTHER PAHs	<MDL	ANT	0.032	ANT	0.038	F	0.1
OTHER VOCs	<MDL	TRPH	<MDL	F	0.42	F	0.098	NAPH	3.5
ACE	0.42			Ph	0.040	Ph	0.051	OTHER PAHs	<MDL
ACETHY	0.16			OTHER PAHs	<MDL	Py	0.037		
ANT	0.094			TRPH	73	OTHER PAHs	<MDL		
F	1.0								
Ph	1.1								
Py	0.036								
1-M	11.1								
2-M	12.6								
OTHER PAHs	<MDL								
TRPH	340								

PMW-3		PMW-3		PMW-3		PMW-3		PMW-3	
1/28/2014		7/1/2014		11/6/2014		2/11/2014		5/7/2015	
2.25 ~ 12.25'	SCREEN	2.25 ~ 12.25'	SCREEN	2.25 ~ 12.25'	SCREEN	2.25 ~ 12.25'	SCREEN	2.25 ~ 12.25'	SCREEN
ACETONE	13.0	n-BUTYLB	0.89	sec-BUTYLB	0.61	sec-BUTYLB	0.69	sec-BUTYLB	0.66
BROMOD	0.69	sec-BUTYLB	1.7	OTHER VOCs	<MDL	OTHER VOCs	<MDL	OTHER VOCs	<MDL
n-BUTYLB	1.4	tert-BUTYLB	0.56	ACE	1.2	ACE	1.9	ACETHY	0.17
sec-BUTYLB	1.8	ISOP	2.8	ACETHY	0.15	ACETHY	0.44	ANT	0.18
Chl	1.0	n-PROP	3.6	ANT	0.11	ANT	0.26	B(b)FLA	0.16
ISOP	4.4	OTHER VOCs	<MDL	FL	0.093	FL	0.37	FL	0.18
n-PROP	6.4	ACE	2.1	F	1.5	F	3.0	F	1.2
1,2,3-TMB	1.1	ACETHY	0.5	Ph	0.25	Ph	0.12	Ph	0.091
OTHER VOCs	<MDL	F	3.4	Py	0.19	Py	0.63	Py	0.37
ACE	2.2	Ph	2.0	1-M	3.2	1-M	2.2	OTHER PAHs	<MDL
ACETHY	0.60	1-M	32.2	OTHER PAHs	<MDL	OTHER PAHs	<MDL		
ANT	0.35	2-M	7.5	TRPH	1,400				
CHRYSENE	0.035	OTHER PAHs	<MDL						
FL	0.51	TRPH	660						
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-4		PMW-4		PMW-4		PMW-4		PMW-4	
1/28/2014		7/1/2014		11/6/2014		2/11/2014		5/7/2015	
2.30 ~ 12.30'	SCREEN	2.30 ~ 12.30'	SCREEN	2.30 ~ 12.30'	SCREEN	2.30 ~ 12.30'	SCREEN	2.30 ~ 12.30'	SCREEN
sec-BUTYLB	0.84	VOCs	<MDL	VOCs	<MDL	VOCs	<MDL	VOCs	<MDL
n-PROP	1.5	ACE	0.046	Ph	0.032	ACE	0.030	PAHs	<MDL
OTHER VOCs	<MDL	OTHER PAHs	<MDL	OTHER PAHs	<MDL	Ph	0.031		
ACE	0.48	TRPH	<MDL	TRPH	<MDL	Py	0.026		
ACETHY	0.18					OTHER PAHs	<MDL		
ANT	0.12								
FL	0.047								
F	1.1								
Ph	0.37								
Py	0.072								
OTHER PAHs	<MDL								
TRPH	230								

PMW-2		PMW-2		PMW-2		PMW-2		PMW-2	
1/28/2014		7/1/2014		11/6/2014		2/11/2014		5/7/2015	
2.20 ~ 12.20'	SCREEN	2.20 ~ 12.20'	SCREEN	2.20 ~ 12.20'	SCREEN	2.20 ~ 12.20'	SCREEN	2.20 ~ 12.20'	SCREEN
B	0.11	n-BUTYLB	1.0	n-BUTYLB	0.75	E	7.3	sec-BUTYLB	0.56
n-BUTYLB	0.88	E	23.1	E	9.1	ISOP	6.1	E	3.9
sec-BUTYLB	1.4	ISOP	9.1	ISOP	9.1	1,2,3-TMB	10.6	ISOP	4.2
E	38.4	p-ISOPT	3.5	p-ISOPT	4.2	1,2,4-TMB	13.2	p-ISOPT	1.5
ISOP	12.0	n-PROP	3.9	n-PROP	1.6	OTHER VOCs	<MDL	n-PROP	0.70
p-ISOPT	3.8	T	3.4	1,2,3-TMB	31.1	ACE	38.7	T	0.63
n-PROP	4.5	1,2,3-TMB	12.7	1,2,4-TMB	52.3	ACETHY	12.5	1,2,3-TMB	12.3
ST	0.50	1,2,4-TMB	22.4	1,3,5-TMB	13.9	ANT	5.4	1,2,4-TMB	10.3
T	1.0	1,3,5-TMB	5.9	X	27.6	B(a)ANTH	0.39	1,3,5-TMB	4.8
1,2,3-TMB	18.7	X	16.9	OTHER VOCs	<MDL	B(b)FLA	0.081	X	9.3
1,2,4-TMB	29.0	OTHER VOCs	<MDL	ACE	29.7	CHRYSENE	0.5	OTHER VOCs	<MDL
1,3,5-TMB	7.1	ACE	34.6	ACETHY	16.0	FL	6.2	ACE	23.2
X	26.9	ACETHY	8.3	ANT	6.7	F	8.0	ACETHY	8.9
OTHER VOCs	<MDL	ANT	3.7	B(a)ANTH	0.39	NAPH	185	ANT	5.5
ACE	37.1	FL	4.6	B(a)PYR	0.21	Ph	56	B(a)ANTH	0.048
ACETHY	11.2	F	5.7	B(b)FLA	0.42	Py	13.1	B(a)PYR	0.069
ANT	5.5	NAPH	346	CHRYSENE	0.11	1-M	115	B(b)FLA	0.090
B(a)ANTH	0.54	Ph	49.2	FL	4.3	2-M	16.4	FL	5.2
B(a)PYR	0.14	Py	10.3	F	10	OTHER PAHs	<MDL	F	6.4
B(b)FLA	0.12	1-M	132	NAPH	622			NAPH	179
B(g,h,i)PER	0.043	2-M	31.2	Ph	52.5			Ph	34.5
CHRYSENE	0.49	OTHER PAHs	<MDL	Py	8.8			Py	11.5
FL	5.8	TRPH	1,600	1-M	120			1-M	52
F	9.7			2-M	81.9			2-M	8.8
I(1,2,3-CD)PY	0.026			OTHER PAHs	<MDL			OTHER PAHs	<MDL
NAPH	219			TRPH	2,700				
Ph	55.0								
Py	12.1								
1-M	187								
2-M	62.4								
OTHER PAHs	<MDL								
TRPH	2,300								



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

1,2-DCA	1,2-DICHLOROETHANE
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

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FIGURE 3

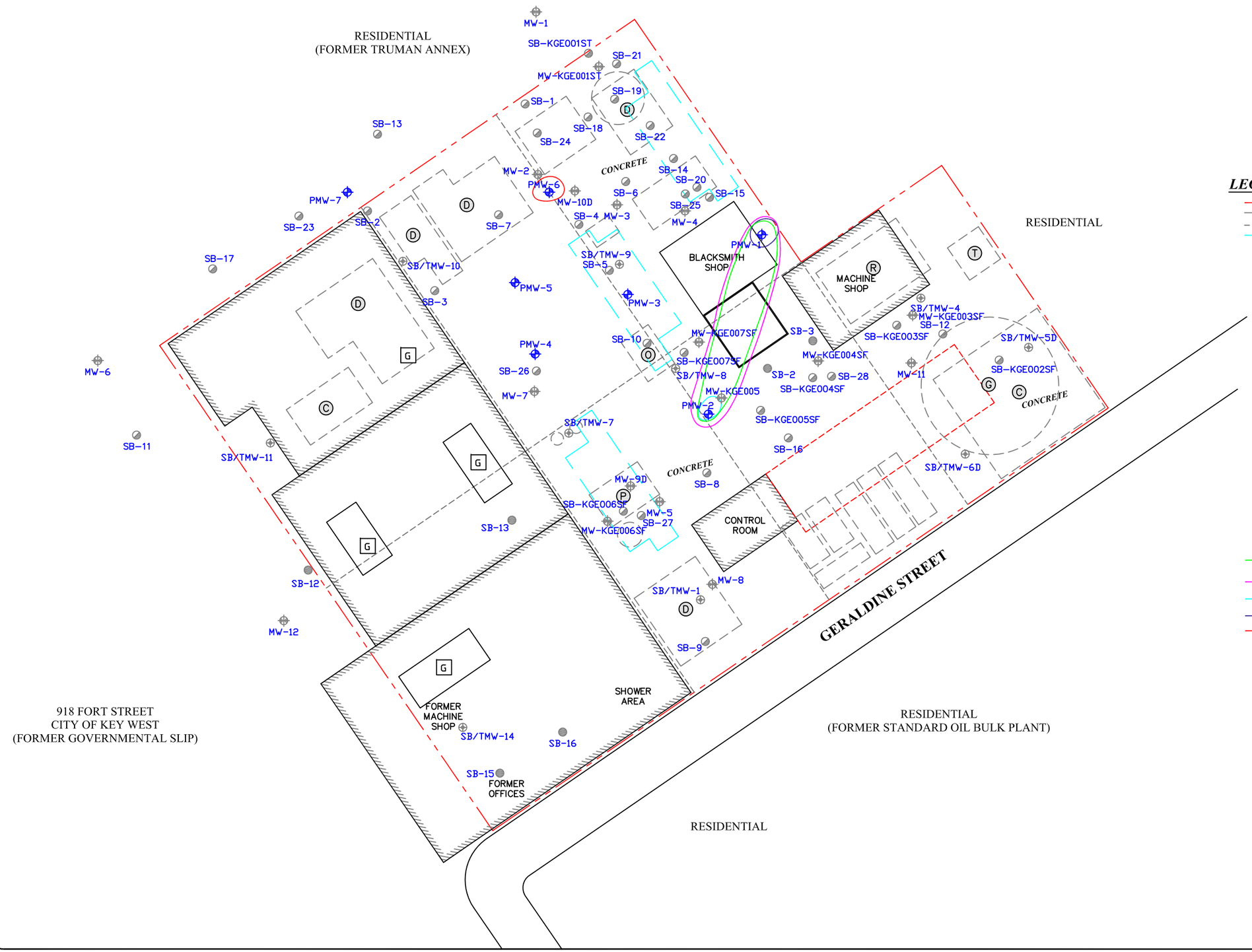
SOIL BORING/MONITORING WELL LOCATION MAP WITH GROUNDWATER ANALYTICAL RESULTS

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

THIS IS NOT A LEGAL SURVEY

VERIFY SCALE 0 40'
IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRN BY: TS/MM/CS/ES/KS
DATE: 7/9/2015
CHKD BY: RS/CCF
SCALE: 1" = 40'
FILE NAME: 06-3668-4F03R03



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
- ISOPROPYLBENZENE GCTL 0.8 µg/L
- 1,2,3 TRIMETHYLBENZENE GCTL 10 µg/L AND
- 1,2,4 TRIMETHYLBENZENE GCTL 10 µg/L
- 1,3,5 TRIMETHYLBENZENE GCTL 10 µg/L
- CHLOROMETHANE GCTL 2.7 µg/L

UNITs µg/L

PM ENVIRONMENTAL | Environmental & Engineering Services

FIGURE 4

GROUNDWATER CONCENTRATION MAP FOR VOCs EXCEEDING THE GCTL CRITERIA (5/2015)

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

THIS IS NOT A LEGAL SURVEY	DRN BY: TS/CS/ES/KS	DATE: 7/9/2015
VERIFY SCALE 0 30' IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	CHKD BY: RS/CCF	SCALE: 1" = 30'
	FILE NAME: 06-3668-4F04R06	

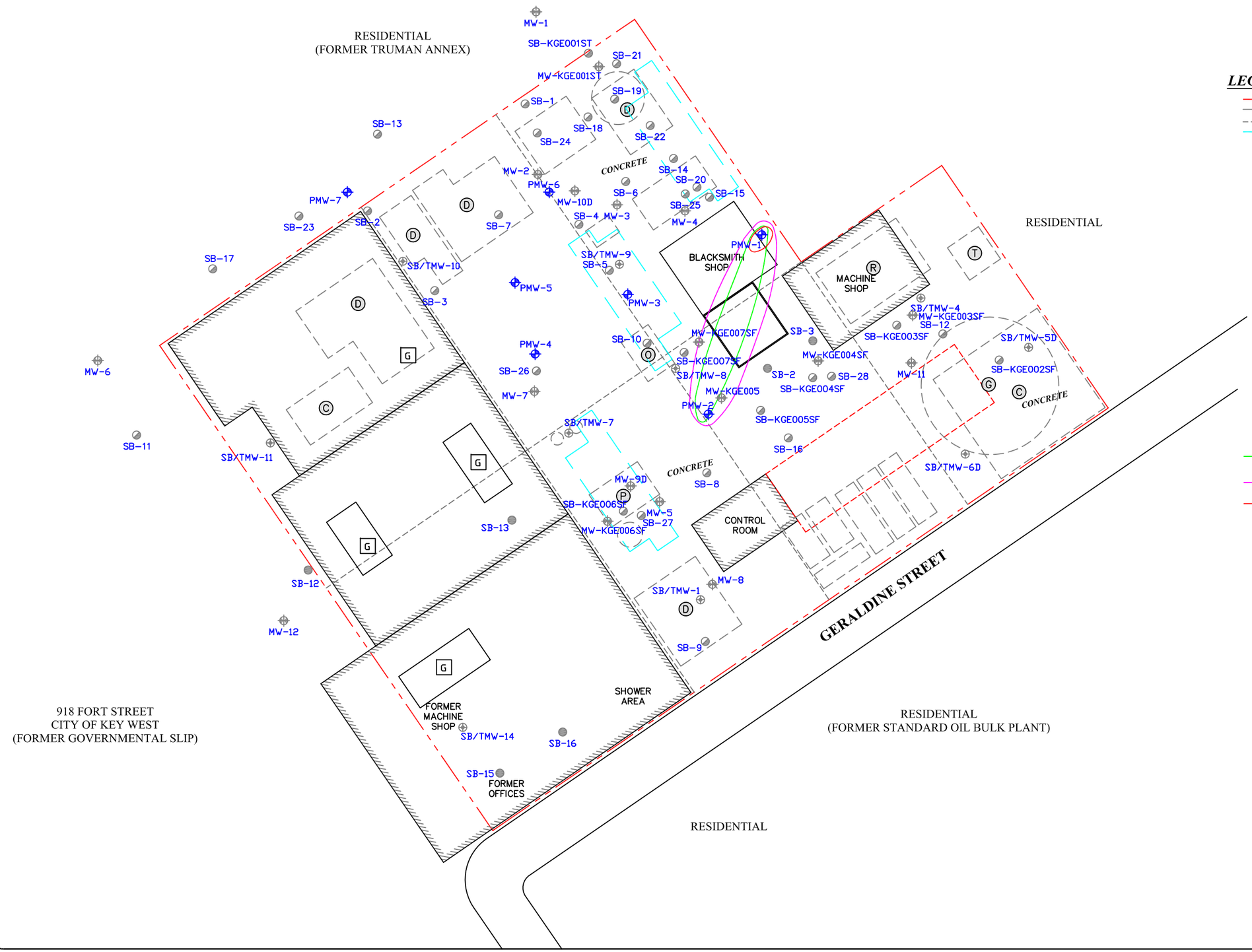


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FIGURE 5

GROUNDWATER CONCENTRATION MAP FOR PAHs EXCEEDING THE GCTL CRITERIA (5/2015)

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

THIS IS NOT A LEGAL SURVEY	DRN BY: TS/CS/ES/KS	DATE: 7/9/2015
VERIFY SCALE 0 [redacted] 30' IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	CHKD BY: RS/CCF	SCALE: 1" = 30'
	FILE NAME: 06-3668-4F05R04	

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 (µg/L)				Acetone	Benzene	Bromobenzene	Bromodichloromethane	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Chloroform	Chloromethane	1,2-Dichloroethane	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
Chemical Abstract Service Number (CAS #)				67641	71432	108861	75274	104518	135988	98066	67663	74873	107062	100414	98828	99876	103651	100425	108883	96184	526738	95636	108678	1330207	Various
Sample ID	Sample Date	Screen Depth (bgs)	Depth to Groundwater (bgs)	VOCs																					
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	0.62 U	0.50 U	3.3	**48.4**	5.6	15.7	1.4	1.1	**2.4**	**61.6**	**86.3**	**85.2**	**71.9**	ND
	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	0.62 U	0.50 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
	11/6/2014		4.0	10.0 U	0.10 U	1.3	0.27 U	1.8	0.50 U	0.50 U	0.50 U	0.62 U	0.50 U	1.4	**28.2**	2.7	8.2	0.50 U	0.50 U	0.59 U	**28.7**	**11.4**	**38.3**	**26**	ND
	2/11/2015		4.8	10.0 U	0.10 U	0.50 U	0.27 U	1.7	0.50 U	0.50 U	0.50 U	0.62 U	0.50 U	1.4	**32.6**	2.4	8.1	0.50 U	0.50 U	0.59 U	**38.4**	**10.1**	**26.6**	**29.9**	ND
	5/7/2015		4.5	10.0 U	0.10 U	0.50 U	0.27 U	1.5	0.50 U	0.50 U	0.50 U	0.62 U	0.50 U	0.50 U	**11.8**	0.50 U	3.4	0.50 U	0.50 U	0.59 U	**13.8**	3.8	**11.9**	7.5	ND
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	0.62 U	0.50 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
	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	0.62 U	0.50 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
	11/6/2014		3.4	10.0 U	0.10 U	0.50 U	0.27 U	0.75 I	0.50 U	0.50 U	0.50 U	0.62 U	0.50 U	9.1	**9.1**	4.2	1.6	0.50 U	0.50 U	0.59 U	**31.1**	**52.3**	**13.9**	**27.6**	ND
	2/11/2015		4.4	10.0 U	0.10 U	0.50 U	0.27 U	5.0 U	5.0 U	5.0 U	5.0 U	0.62 U	0.50 U	7.3 I	**6.1 I**	5.0 U	5.0 U	5.0 U	5.0 U	5.9 U	**10.6**	**13.2**	5.0 U	5.0 U	ND
	5/7/2015		3.8	10.0 U	0.10 U	0.50 U	0.27 U	0.50 U	0.56 I	0.50 U	0.50 U	0.62 U	0.50 U	3.9	**4.2**	1.5	0.70 I	0.50 U	0.63 I	0.59 U	**12.3**	**10.3**	4.8	9.3	ND
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	0.62 U	0.50 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
	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	0.62 U	0.50 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
	11/6/2014		3.2	10.0 U	0.10 U	0.50 U	0.27 U	0.50 U	0.61 I	0.50 U	0.50 U	0.62 U	0.50 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
	2/11/2015		4.1	10.0 U	0.10 U	0.50 U	0.27 U	0.50 U	0.69 I	0.50 U	0.50 U	0.62 U	0.50 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
	5/7/2015		3.4	10.0 U	0.10 U	0.50 U	0.27 U	0.50 U	0.66 I	0.50 U	0.50 U	0.62 U	0.50 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
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	0.62 U	0.50 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
	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	0.62 U	0.50 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
	11/6/2014		3.60	10.0 U	0.10 U	0.50 U	0.27 U	0.50 U	0.50 U	0.50 U	0.50 U	0.62 U	0.50 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
	2/11/2015		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	0.62 U	0.50 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
	5/7/2015		3.60	10.0 U	0.10 U	0.50 U	0.27 U	0.50 U	0.50 U	0.50 U	0.50 U	0.62 U	0.50 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
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	0.62 U	0.50 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
	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	0.62 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
	11/6/2014		3.6	10.0 U	0.10 U	0.50 U	0.27 U	0.50 U	0.50 U	0.50 U	0.50 U	0.62 U	0.50 U	0.50 U	0.50 U	0.50 U	0.52 I	0.50 U	0.50 U	0.59 U	1.0 U	0.50 U	0.50 U	0.50 U	ND
	2/11/2015		4.0	10.0 U	0.10 U	0.50 U	0.27 U	0.50 U	0.69 I	0.50 U	0.50 U	0.62 U	0.50 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
	5/7/2015		3.35	10.0 U	0.10 U	0.50 U	0.27 U	0.50 U	0.50 U	0.50 U	0.50 U	0.62 U	0.50 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
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	0.62 U	0.50 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
	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	0.62 U	0.50 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
	11/6/2014		3.65	10.0 U	0.10 U	0.50 U	0.27 U	0.50 U	0.50 U	0.50 U	0.50 U	0.62 U	0.50 U	0.50 U	0.57 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
	2/11/2015		3.60	10.0 U	0.10 U	0.50 U	0.27 U	0.50 U	0.50 U	0.50 U	0.50 U	0.62 U	0.50 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
	5/7/2015		3.10	10.0 U	0.10 U	0.50 U	0.27 U	0.54 I	0.50 U	0.50 U	0.50 U	**7.2**	0.60 I	0.50 U	0.85 I	0.79 I	0.61 I	0.50 U	0.50 U	0.59 U	1.0 U	0.50 U	0.50 U	2.4 I	ND
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	0.62 U	0.50 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
	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	0.62 U	0.50 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
	11/6/2014		3.3	10.0 U	0.10 U	0.50 U	0.27 U	0.50 U	0.50 U	0.50 U	0.50 U	0.62 U	0.50 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
	2/11/2015		3.5	10.0 U	0.10 U	0.50 U	0.27 U	0.50 U	0.50 U	0.50 U	0.50 U	0.62 U	0.50 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
	5/7/2015		2.8	10.0 U	0.10 U	0.50 U	0.27 U	0.50 U	0.50 U	0.50 U	0.50 U	0.62 U	0.65 I	0.50 U	0.50 U	0.56 I	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
Groundwater Cleanup Target Levels Chapter 62-777 of the Florida Administrative Code																									
Groundwater Criteria				6,300	1	NL	0.6	NL	280	NL	70	2.7	3	30	0.8	NL	NL	100	40	0.02	10	10	10	20	Various
Natural Attenuation Default Concentrations				63,000	100	NL	60	NL	2,800	NL	700	270	300	300	8	NL	NL	1,000	400	2	100	100	100	200	Various

Volatile Organic Compounds, Polynuclear Aromatic Hydrocarbons, and Total Recoverable Petroluem Hydrocarbons (µg/L)				Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(g,h,i)perylene	Chrysene	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 #)				83329	208968	120127	56553	50328	205992	207089	191242	218019	206440	86737	193395	91203	85018	129000	90120	91576	Various	Various
Sample ID	Sample Date	Screen Depth (bgs)	Depth to Groundwater (bgs)	PAHs																		TRPH
PMW-1	1/28/2014	1.90-11.90	4.7	14.4	27.5	4.6	**0.16**	0.025 U	0.027 I	0.028 I	0.025 U	0.18	2.4	21.0	0.025 U	**1,480**	41.7	4.9	**259**	**335**	ND	**6,300**
	7/1/2014		4.65	11.3	12	2.9	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
	11/6/2014		4.0	10.2	12.7	3.7	**0.31**	0.23	**0.46**	0.025 U	0.025 U	0.038 I	1.8	12.8	0.025 U	**677**	35.4	3.5	**129**	**90.7**	ND	3,000
	2/11/2015		4.8	10.3	8.3	2.6	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.095 I	1.5	11.6	0.025 U	**361**	29.9	2.7	**163**	**41.1**	ND	NA
	5/7/2015		4.5	3.8	5.5	2.0	**0.079 I**	**0.95**	**0.94**	**0.58**	1.8	0.025 U	1.6	5.1	1.9	**181**	13.6	3.7	**33**	9.9	ND	NA
PMW-2	1/28/2014	2.20-12.20	4.0	**37.1**	11.2	5.5	**0.54**	0.14	**0.12**	0.025 U	0.043 I	0.49	5.8	9.7	0.026 I	**219**	55.0	12.1	**187**	**62.4**	ND	2,300
	7/1/2014		4.0	**34.6**	8.3	3.7	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
	11/6/2014		3.4	**29.7**	16.0	6.7	**0.39**	0.21	**0.42**	0.025 U	0.025 U	0.11	4.3	10	0.025 U	**622**	52.5	8.8	**120**	**81.9**	ND	2,700
	2/11/2015		4.4	**38.7**	12.5	5.4	**0.39**	0.081 I	**0.089 I**	0.025 U	0.025 U	0.5	6.2	8.0	0.025 U	**185**	56	13.1	**115**	16.4	ND	NA
	5/7/2015		3.8	**23.2**	8.9	5.5	0.048 I	0.069 I	0.090 I	0.025 U	0.025 U	0.025 U	5.2	6.4	0.025 U	**179**	34.5	11.5	**52**	8.8	ND	NA
PMW-3	1/28/2014	2.25-12.25	4.0	2.2	0.60	0.35	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.035 I	0.51	4.0	0.025 U	2.6	4.4	0.88	**55.1**	**55.2**	ND	930
	7/1/2014		3.7	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	3.4	0.025 U	1.0 U	2.0	0.025 U	**32.2**	7.5	ND	660
	11/6/2014		3.2	1.2	0.15	0.11	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.093 I	1.5	0.025 U	1.0 U	0.25	0.19	3.2	1.0 U	ND	1,400
	2/11/2015		4.1	1.9	0.44	0.26	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.37	3.0	0.025 U	1.0 U	0.12	0.63	2.2	1.0 U	ND	NA
	5/7/2015		3.4	0.025 U	0.17	0.18	0.025 U	0.025 U	0.16	0.025 U	0.025 U	0.025 U	0.18	1.2	0.025 U	1.0 U	0.091 I	0.37	1.0 U	1.0 U	ND	NA
PMW-4	1/28/2014	2.30-12.30	4.2	0.48	0.18	0.12	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.047 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	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	1.0 U	0.025 U	0.025 U	1.0 U	1.0 U	ND	60 U
	11/6/2014		3.60	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	0.032 I	0.025 U	1.0 U	1.0 U	ND	61 U
	2/11/2015		3.95	0.030 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	1.0 U	0.031 I	0.026 I	1.0 U	1.0 U	ND	NA
	5/7/2015		3.60	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	NA
PMW-5	1/28/2014	2.30-12.30	4.3	1.0	0.36	0.21	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.049 I	2.4	0.025 U	1.0 U	2.6	0.12	**35.5**	**46.6**	ND	810
	7/1/2014		3.7	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	1.7	0.025 U	1.0 U	0.025 U	0.025 U	9.8	5.7	ND	340
	11/6/2014		3.6	0.66	0.19	0.089 I	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.029 I	1.5	0.025 U	1.0 U	0.33	0.075 I	3.1	1.0 U	ND	680
	2/11/2015		4.0	0.9	0.32	0.26	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.045 I	2.0	0.025 U	1.0 U	0.28	0.099 I	2.3	1.0 U	ND	NA
	5/7/2015		3.35	0.025 U	0.23	0.14	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.030 I	1.2	0.025 U	1.0 U	0.091 I	0.088 I	1.0 U	1.0 U	ND	NA
PMW-6	1/28/2014	2.10-12.10	4.0	2.1	0.67	0.28	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.077 I	3.9	0.025 U	2.6	4.2	0.10	**61.0**	**88.5**	ND	1,700
	7/1/2014		3.4	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	1.4	0.025 U	1.0 U	0.72	0.025 U	8.3	1.2 I	ND	420
	11/6/2014		3.65	0.96	0.20	0.12	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.049 I	1.4	0.025 U	1.0 U	0.7	0.069 I	1.6 I	2.7	ND	1,000
	2/11/2015		3.60	0.7	0.16	0.23	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.057 I	0.84	0.025 U	1.0 U	0.24	0.12	1.0 U	1.0 U	ND	NA
	5/7/2015		3.10	0.025 U	0.025 U	0.14	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.038 I	0.76	0.025 U	3.6	0.34	0.062 I	1.0 U	1.0 U	ND	NA
PMW-7	1/28/2014	2.25-12.25	3.6	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	1.0	0.025 U	1.0 U	1.1	0.036 I	11.1	12.6	ND	340
	7/1/2014		3.0	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	0.090 I	0.025 U	1.0 U	0.025 U	0.025 U	1.0 U	1.0 U	ND	60 U
	11/6/2014		3.3	0.2	0.051 I	0.032 I	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.42	0.025 U	1.0 U	0.040 I	0.025 U	1.0 U	1.0 U	ND	73 I
	2/11/2015		3.5	0.15	0.037 I	0.038 I	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.098 I	0.025 U	1.0 U	0.051 I	0.037 I	1.0 U	1.0 U	ND	NA
	5/7/2015		2.8	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	0.1	0.025 U	3.5	0.025 U	0.025 U	1.0 U	1.0 U	ND	NA
Groundwater Cleanup Target Levels Chapter 62-777 of the Florida Administrative Code																						
Groundwater Criteria				20	210	2,100	0.05	0.2	0.05	0.5	210	4.8	280	280	0.05	14	210	210	28	28	Various	5,000
Natural Attenuation Default Concentrations				200	2,100	21,000	5	20	5	50	2,100	480	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
SouthDistrict@dep.state.fl.us

RICK SCOTT
GOVERNOR

CARLOS LOPEZ-CANTERA
LT. GOVERNOR

CLIFFORD D. WILSON III
INTERIM SECRETARY

December 15, 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 Florida Department of Environmental Protection (Department) has reviewed the Year-1, Quarter-2 Natural Attenuation Monitoring Report (NAMR) dated December 5, 2014 (received December 5, 2014), prepared and submitted by PM Environmental, Inc. (PM), for the above referenced facility. The report is accepted; please see attached Department Interoffice Memorandum dated December 12, 2014, for comments and recommendations.

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)
Florida Department of Environmental Protection

CAM/MAS/se

Enclosure: (1) December 12, 2014 Department Interoffice Memorandum

cc: Candace Chin Fatt – PM (ChinFatt@pmenv.com)
Elliot J. Nightingale, P.G. – PM (Nightingale@pmenv.com)
Elizabeth Gillen – FDEP (Elizabeth.Gillen@dep.state.fl.us)

Interoffice Memorandum

To: **Charles A. Masella**
Florida Department of Environmental Protection

From: **Mark A. Sautter**
Florida Department of Environmental Protection

Date: **December 12, 2014**

Subject: **Monroe County - WC**
Year-1, Quarter-2 Natural Attenuation Monitoring Report (NAMR)
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 (Department) has conducted a technical review of the Year-1, Quarter-2 Natural Attenuation Monitoring Report (NAMR) for the Former Key West Gas and Electric Company facility in Key West. The submittal was generated by PM Environmental, Inc. (PM), and received by the Department on December 5, 2014. Site activities were initiated to address the petroleum contaminant confirmed through an October 8, 2013, Phase II Environmental Site Assessment (PH II ESA). The Natural Attenuation Monitoring Plan (NAMP) was approved in a Department letter dated August 28, 2014.

On November 6, 2014, PM personnel collected groundwater samples from (7) groundwater monitoring wells (PMW-1 through PMW-7). 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 and PMW-2 at 28.2 micrograms per liter (µg/l) and 9.1 µg/l, respectively. These concentrations exceed the GCTL of 0.8 µg/l as well as the Natural Attenuation Default Concentration (NADC) of 8 µg/l. 1,2,3-Trimethylbenzene was detected in PMW-1 and PMW-2 at 28.7 µg/l and 31.1 µg/l, respectively. These concentrations exceed the GCTL of 10. 1,2,4-Trimethylbenzene was detected in PMW-1 and PMW-2 at 11.4 µg/l and 52.3 µg/l, respectively. These concentrations exceed the GCTL of 10 µg/l. 1,3,5-Trimethylbenzene was detected in PMW-1 and PMW-2 at 38.3 µg/l and 13.9 µg/l, respectively. These concentrations exceed the GCTL of 10 µg/l. Total Xylenes were detected in PMW-1 and PMW-2 at 26 µg/l and 27.6 µg/l, respectively. These concentrations exceed the GCTL of 20 µg/l. Acenaphthene was detected in PMW-2 at 29.7 µg/l. This concentration exceeds the GCTL of 20 µg/l. Benzo(a)anthracene was detected in PMW-1 and PMW-2 at 0.31 µg/l and 0.39 µg/l, respectively. These concentrations exceed the GCTL of 0.05 µg/l. Benzo(b)fluoranthene was detected in PMW-1 and PMW-2 at 0.46 µg/l and 0.42 µg/l,

respectively. These concentrations exceed the GCTL of 0.05 µg/l. Naphthalene was detected in PMW-1 and PMW-2 at 677 µg/l and 622 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 and PMW-2 at 129 µg/l and 120 µg/l, respectively. These concentrations exceed the GCTL of 28 µg/l. 2-Methylnaphthalene was detected in PMW-1 and PMW-2 at 90.7 µg/l and 81.9 µg/l, respectively. These concentrations exceed the GCTL of 28 µg/l. None of the remaining constituents were detected in concentrations exceeding their respective GCTLs and/or laboratory Method Detection Limits (MDLs).

Summary:
The Florida Department of Environmental Protection (Department) has completed our technical review of the Year-1, Quarter-2 Natural Attenuation Monitoring Report (NAMR) for the Former Key West Gas and Electric Company and concurs with the environmental consultant that the quarterly groundwater monitoring should continue at this site for at least one (1) year prior to the submittal of a Closure with Conditions request. The Year-1, Quarter-3 NAM event should be scheduled for February 2015. The environmental consultant should continue to attempt to obtain the Offsite Access Agreement in order to install the additional monitoring well to be situated northeast of PMW-1.

Candace Chin Fatt

From: Rzad, Stanley <Stanley.Rzad@KeysEnergy.com>
Sent: Thursday, December 18, 2014 4:03 PM
To: Candace Chin Fatt
Cc: Rzad, Stanley
Subject: FW: KWD project- meeting with customer -- Substation upgrade

Interesting background information regarding placement of groundwater monitoring wells on KEYS and adjacent property,

Please call me after January 5, 2015 to discuss.

V/r,
Stan

Stanley T. Rzad
Compliance Administrator
Keys Energy Services
PH (305) 295-1191
FX (305) 295-1070
Stanley.rzad@keysenergy.com

Please consider the environment before printing this e-mail.

From: Finigan, Dale
Sent: Thursday, December 18, 2014 3:59 PM
To: Finigan, Dale
Cc: Rzad, Stanley; Tejeda, Lynne
Subject: RE: KWD project- meeting with customer -- Substation upgrade

Email to File

Topic- meeting with customer adjacent to KWD sub new building

On December 18, I was at the KWD substation as part of the upgrade project.
I had a discussion with the neighbor at the end of Angela street.
He is the owner of the house that is closest to the new Control building.
He has owned the house for over 10 yrs and lives in the place

- ✓ Angela street(Near gate)
- ✓ Owner name--Mr. Clapp

I informed him of the project that KEYS is planning. Below is a summary of the conversation

- I Explained the overall project and reasons for the upgrade
- Discussed the timing and schedule
- We talked about the building location- he had no objections at all. Had no issues
- We discussed the building color-- He liked the light tan color and said stay with that color

- We discussed the construction period, Hours of operation and noise during construction - he was pleased with our planns

<u>Overall</u> he was very pleasant and had no objection to the project.
He was supportive, and very appreciative of KEYS for discussing the project with him.

We then had a brief conversation about the "Test Wells" that KEYS installed and a letter to him offering to install a "well" on his property.
He was not in support of having a well installed on his site. He was not negative about it. Just really was not concerned and did not see a need for it.
He was ok that KEYS was installing them on KEYS property.
I got the impression that he really was not concerned and was satisfied whatever KEYS had to perform on KEYS property in order to
obtain a clearance from DEP or others.

Dale Z. Finigan
Dale Z. Finigan
Director of Engineering & Control
KEYS Energy
1001 James Street
Key West Fl, 33040
305.295.1042 Direct
305.304.4077 Cell
www.keysenergy.com

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

SOUTH DISTRICT
P.O. BOX 2549
FORT MYERS, FL 33902-2549
SouthDistrict@dep.state.fl.us

RICK SCOTT
GOVERNOR

CARLOS LOPEZ-CANTERA
LT. GOVERNOR

JONATHAN P. STEVENSON
SECRETARY

March 17, 2015

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 Florida Department of Environmental Protection (Department) has reviewed the Year-1, Quarter-3 Natural Attenuation Monitoring Report (NAMR) dated March 11, 2015 (received March 12, 2015), prepared and submitted by PM Environmental, Inc. (PM), for the above referenced facility. The report is accepted; please see attached Department Interoffice Memorandum dated March 17, 2015, for comments and recommendations.

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)
Florida Department of Environmental Protection

CAM/MAS/se

Enclosure: (1) March 17, 2015 Department Interoffice Memorandum

cc: Candace Chin Fatt – PM (ChinFatt@pmenv.com)
Elliot J. Nightingale, P.G. – PM (Nightingale@pmenv.com)
Elizabeth Gillen – FDEP (Elizabeth.Gillen@dep.state.fl.us)

Interoffice Memorandum

To: **Charles A. Masella**
Florida Department of Environmental Protection

From: **Mark A. Sautter**
Florida Department of Environmental Protection

Date: **March 17, 2015**

Subject: **Monroe County - WC**
Year-1, Quarter-3 Natural Attenuation Monitoring Report (NAMR)
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 (Department) has conducted a technical review of the Year-1, Quarter-3 Natural Attenuation Monitoring Report (NAMR) 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 12, 2015. Site activities were initiated to address the petroleum contaminant confirmed through an October 8, 2013, Phase II Environmental Site Assessment (PH II ESA). The Natural Attenuation Monitoring Plan (NAMP) was approved in a Department letter dated August 28, 2014.

On February 10, 2015, PM personnel collected groundwater samples from (7) groundwater monitoring wells (PMW-1 through PMW-7). The collected samples were submitted for laboratory analysis by EPA Method 8260B for VOCs and EPA Method 8270C for PAHs.

The laboratory analytical data reported Isopropyl Benzene (Cumene) in PMW-1 and PMW-2 at 32.6 micrograms per liter (µg/l) and 6.1 µg/l, respectively. These concentrations exceed the GCTL of 0.8 µg/l. In addition, the concentration detected in PMW-1 also exceeds the Natural Attenuation Default Concentration (NADC) of 8 µg/l. 1,2,3-Trimethylbenzene was detected in PMW-1 and PMW-2 at 38.4 µg/l and 10.6 µg/l, respectively. These concentrations exceed the GCTL of 10. 1,2,4-Trimethylbenzene was detected in PMW-1 and PMW-2 at 10.1 µg/l and 13.2 µg/l, respectively. Although these concentrations exceed the GCTL of 10 µg/l, when the concentration detected in PMW-1 is rounded in accordance with the November 17, 2011 memorandum issued by Jorge Caspary, the Director of the Division of Waste Management, the resulting vale is 10 µg/l; equal to, but not exceeding the GCTL. 1,3,5-Trimethylbenzene and Xylenes were detected in PMW-1 at 26.6 µg/l and 29.9 µg/l, respectively. These concentrations exceed their respective GCTLs of 10 µg/l and 20 µg/l. Acenaphthene was detected in PMW-2 at 38.7 µg/l. This concentration exceeds the GCTL of 20 µg/l. Benzo(a)anthracene was detected in PMW-2 at 0.39. This concentration exceeds the GCTL of 0.05 µg/l. Benzo(b)fluoranthene was detected in PMW-2 at 0.089 µg/l. This concentration exceeds the GCTL of 0.05 µg/l. Naphthalene was detected in PMW-1 and PMW-2 at 361 µg/l and 185 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 and PMW-2 at 163 µg/l and 115 µg/l, respectively. These concentrations exceed the GCTL of 28 µg/l. 2-Methylnaphthalene was detected in PMW-1 at 41.1 µg/l. This concentration exceeds the GCTL of 28 µg/l. None of the remaining constituents were detected in concentrations exceeding their respective GCTLs and/or laboratory Method Detection Limits (MDLs).

Summary:
The Florida Department of Environmental Protection (Department) has completed our technical review of the Year-1, Quarter-3 Natural Attenuation Monitoring Report (NAMR) for the Former Key West Gas and Electric Company and concurs with the environmental consultant that the quarterly groundwater monitoring should continue at this site for at least one (1) additional quarter prior to the submittal of a Closure with Conditions request. The Year-1, Quarter-4 NAM event should be scheduled for May 2015.

Appendix B

PM ENVIRONMENTAL Environmental & Engineering Services

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Key West Gas + Electric	SITE LOCATION: 101-111 Grinnell St. Key West	
WELL NO: PMW-1	SAMPLE ID: PMW-1	DATE: 5/7/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.375	WELL SCREEN INTERVAL DEPTH: 1.9 feet to 11.9 feet	STATIC DEPTH TO WATER (feet): 4.5	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 – 4.5 feet) X 0.16 gallons/foot = 1.184 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): 11.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.0	PURGING INITIATED AT: 750	PURGING ENDED AT: 850	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)
800	0.5	0.5	0.05	4.5	—	—	—	—	—	clear	None
805	0.25	0.75			5.44	26.42	1.011	16.5	253	opaque	"
810	0.25	1.00			5.41	26.45	1.007	10.7	386	cloudy	"
815	0.25	1.25			5.40	26.48	1.013	7.9	329	"	"
820	0.25	1.50			5.42	26.50	1.021	7.2	302	"	"
825	0.25	1.75			5.37	26.49	1.018	8.2	275	"	"
830	0.25	2.0			5.41	26.49	1.013	11.2	219	"	"
835	0.25	2.25			5.41	26.50	1.010	14.4	189	"	"
840	0.25	2.50			5.40	26.50	1.003	15.9	216	"	"
845	0.25	2.75			5.40	26.51	1.000	18.1	187	"	"
850	0.25	3.00			5.37	26.51	0.990	18.6	193	"	"

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 Chuntrell/PM	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 850	SAMPLING ENDED AT: 852
PUMP OR TUBING DEPTH IN WELL (feet): 7.0	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	3	CG	40ml	HCl	120	5.31	VOCs	RFPP	
	1	AG	250ml	None	250	"	PAHs	APP	

REMARKS: High Turbidity – Slow Recharge Well

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: Keys West Gas + Electric	SITE LOCATION: 101-111 Geraldine St. Key West FL
WELL NO: PMW-2	SAMPLE ID: PMW-2
	DATE: 5/7/15

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): 3.8	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 – 3.8 feet) X 0.16 gallons/foot = 1.344 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): 10.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6.0	PURGING INITIATED AT: 905	PURGING ENDED AT: 935	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)
915	1.0	1.0	0.1	3.8	—	—	—	—	—	clear	none
920	0.5	1.5			5.07	26.24	0.684	7.2	29.8	"	"
925	0.5	2.0			5.13	26.20	0.686	5.0	16.3	"	"
930	0.5	2.5			5.16	26.42	0.687	4.0	10.2	"	"
935	0.5	3.0			5.26	26.22	0.690	3.4	6.71	"	"

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 Chistaff/PM	SAMPLER(S) SIGNATURE(S): C. Chistaff	SAMPLING INITIATED AT: 935	SAMPLING ENDED AT: 937
PUMP OR TUBING DEPTH IN WELL (feet): 6.7	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-	3	CG	40mL	HCl	120	5.26	VOCs	RFPP	
2	1	AG	250mL	None	250	"	PAHs	APP	

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: Keys West Gas + Electric	SITE LOCATION: 101-111 Geraldine St. Key West FL	
WELL NO: PMW-3	SAMPLE ID: PMW-3	DATE: 5/7/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.375	WELL SCREEN INTERVAL DEPTH: 2.25 feet to 12.25 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)
= (12.25 feet – 3.4 feet) X 0.16 gallons/foot = 1.416 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): 10.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6.0	PURGING INITIATED AT: 950	PURGING ENDED AT: 1040	TOTAL VOLUME PURGED (gallons): 5.5

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 µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1000	1.0	1.0	0.1	3.4	—	—	—	—	—	clear	none
1005	0.5	1.5			5.15	26.50	0.912	8.9	++++	cloudy	"
1010	0.5	2.0			5.12	26.51	0.887	5.9	++++	"	"
1015	0.5	2.5			5.12	26.52	0.858	4.0	++++	"	"
1020	0.5	3.0			5.26	26.51	0.837	3.3	++++	"	"
1025	0.5	3.5			5.27	26.51	0.827	3.0	++++	"	"
1030	0.5	4.0			5.29	26.51	0.809	2.7	++++	"	"
1035	0.5	4.5			5.44	26.51	0.794	2.5	++++	"	"
1040	0.5	5.0			5.45	26.50	0.786	2.4	++++	"	"

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 Chuntatt / PM	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1040	SAMPLING ENDED AT: 1042
PUMP OR TUBING DEPTH IN WELL (feet): 6.0	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	3	CG	40mL	HCl	120	5.45	VOCs	RFPP	
3	1	AG	250mL	None	250	"	PAHs	APP	

REMARKS: Turbid

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 Geraldine St. Key West FL
WELL NO: PMCO-4	SAMPLE ID: PMCO-4	DATE: 5/7/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.375	WELL SCREEN INTERVAL DEPTH: 2.3 feet to 12.3 feet	STATIC DEPTH TO WATER (feet): 3.6	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)
= (12.3 feet – 3.6 feet) X 0.16 gallons/foot = 1.392 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): 10.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6.0	PURGING INITIATED AT: 1050	PURGING ENDED AT: 1120	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)
1100	1.0	1.0	0.1	3.6	—	—	—	—	—	clear	none
1105	0.5	1.5			5.55	26.73	0.490	19.1	12.9	"	"
1110	0.5	2.0			5.50	26.72	0.489	14.0	13.0	"	"
1115	0.5	2.5			5.54	26.69	0.490	12.3	13.0	"	"
1120	0.5	3.0			5.49	26.76	0.487	11.6	10.5	"	"

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 Chien Tait/PH	SAMPLER(S) SIGNATURE(S): C. Chien Tait	SAMPLING INITIATED AT: 1120	SAMPLING ENDED AT: 1123
PUMP OR TUBING DEPTH IN WELL (feet): 6.0	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			
PMCO-	3	CG	40ml	HCl	120	5.49	VOCs	RFPP	
4	1	AG	250ml	None	250	"	PAHs	APP	

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 Geraldine St. Key West FL
WELL NO: PMW-5	SAMPLE ID: PMW-5	DATE: 5/7/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.375	WELL SCREEN INTERVAL DEPTH: 2.3 feet to 12.3 feet	STATIC DEPTH TO WATER (feet): 3.35	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)
= (12.30 feet – 3.35 feet) X 0.16 gallons/foot = 1.432 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): 10.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6.0	PURGING INITIATED AT: 1135	PURGING ENDED AT: 1225	TOTAL VOLUME PURGED (gallons): 5.0

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)
1145	1.0	1.0	0.1	3.35	—	—	—	—	—	clear	none
1150	0.5	1.5			5.40	26.16	0.630	8.8	252	opaque	"
1155	0.5	2.0			5.45	26.22	0.649	5.1	142	"	"
1200	0.5	2.5			5.45	26.21	0.664	4.2	71.6	"	"
1205	0.5	3.0			5.45	26.27	0.680	3.6	37.2	"	"
1210	0.5	3.5			5.40	26.27	0.694	3.2	25.9	cloudy	"
1215	0.5	4.0			5.40	26.26	0.705	3.0	19.4	clear	"
1220	0.5	4.5			5.35	26.26	0.723	2.9	16.3	"	"
1225	0.5	5.0			5.33	26.29	0.733	2.8	14.6	"	"

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 Fatt/FPN	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 1225	SAMPLING ENDED AT: 1227
PUMP OR TUBING DEPTH IN WELL (feet): 6.0	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-	3	CG	40mL	HCl	120	5.33	VOCs	RFPP	
5	1	AG	250mL	None	250	"	PAHs	APP	

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 Grabtree St. Key West FL	
WELL NO: PMW-6	SAMPLE ID: PMW-6		DATE: 5/7/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.375	WELL SCREEN INTERVAL DEPTH: 2.1 feet to 12.1 feet	STATIC DEPTH TO WATER (feet): 3.1	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)
= (12.1 feet – 3.1 feet) X 0.16 gallons/foot = 1.44 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): 10.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5.0	PURGING INITIATED AT: 1235	PURGING ENDED AT: 1335	TOTAL VOLUME PURGED (gallons): 6.0

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)
1245	1.0	1.0	0.1	3.1	—	—	—	—	—	clear	None
1250	0.5	1.5			5.36	26.75	0.951	9.5	265	cloudy	"
1255	0.5	2.0			5.35	26.67	0.949	7.2	191	"	"
1300	0.5	2.5			5.35	26.71	0.948	6.3	124	"	"
1305	0.5	3.0			5.36	26.72	0.949	5.9	105	"	"
1310	0.5	3.5			5.39	26.68	0.948	5.6	83.3	"	"
1315	0.5	4.0			5.40	26.69	0.948	5.5	69.4	"	"
1320	0.5	4.5			5.39	26.69	0.951	5.4	55.1	"	"
1325	0.5	5.0			5.41	26.69	0.952	5.4	44.4	"	"
1330	0.5	5.5			5.40	26.73	0.953	5.3	39.2	"	"
1335	0.5	6.0			5.38	26.72	0.957	5.3	36.0	"	"

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 Fatt/PM	SAMPLER(S) SIGNATURE(S): C Cook	SAMPLING INITIATED AT: 1335	SAMPLING ENDED AT: 1337
PUMP OR TUBING DEPTH IN WELL (feet): 5.0	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-6	3	CG	40mL	HCl	120	5.38	VOCs	RFPP	
6	1	AG	250mL	None	250	"	PAHs	APP	

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 Grinnell St. Key West, FL	
WELL NO: PMW-7	SAMPLE ID: PMW-7	DATE: 5/7/15

PURGING DATA

WELL DIAMETER (inches): 2.0	TUBING DIAMETER (inches): 0.375	WELL SCREEN INTERVAL DEPTH: 2.25 feet to 12.25 feet	STATIC DEPTH TO WATER (feet): 2.8	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)
= (12.25 feet – 2.8 feet) X 0.16 gallons/foot = 1.512 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): 10.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 5.0	PURGING INITIATED AT: 1350	PURGING ENDED AT: 1430	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)
1400	1.0	0.0	0.1	2.8	—	—	—	—	—	clear	none
1405	0.5	1.5			5.50	26.62	0.948	12.5	38.8	"	"
1410	0.5	2.0			5.50	26.56	0.938	9.1	29.7	"	"
1415	0.5	2.5			5.48	26.62	0.936	5.1	19.0	"	"
1420	0.5	3.0			5.48	26.56	0.950	4.1	11.9	"	"
1425	0.5	3.5			5.46	26.58	0.961	3.4	10.1	"	"
1430	0.5	4.0			5.41	26.51	0.968	3.2	7.53	"	"

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 Fatt/FAI	SAMPLER(S) SIGNATURE(S): C. Cook	SAMPLING INITIATED AT: 1430	SAMPLING ENDED AT: 1432
PUMP OR TUBING DEPTH IN WELL (feet): 5.0	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-7	3	CG	40mL	HCl	120	5.41	VOCs	RFPP	
7	1	AG	250mL	None	250	"	PAHs	APP	

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

May 19, 2015

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

RE: Project: Key West Gas & Electric
Pace Project No.: 35187619

Dear Candace Fatt:
Enclosed are the analytical results for sample(s) received by the laboratory on May 08, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Christina Raschke
christina.raschke@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project:	Key West Gas & Electric
Pace Project No.:	35187619

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
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
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

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SAMPLE SUMMARY

Project: Key West Gas & Electric
Pace Project No.: 35187619

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35187619001	**Trip Blank**	Water	05/07/15 00:00	05/08/15 12:15
35187619002	**PMW-1**	Water	05/07/15 08:50	05/08/15 12:15
35187619003	**PMW-2**	Water	05/07/15 09:35	05/08/15 12:15
35187619004	**PMW-3**	Water	05/07/15 10:40	05/08/15 12:15
35187619005	**PMW-4**	Water	05/07/15 11:20	05/08/15 12:15
35187619006	**PMW-5**	Water	05/07/15 12:25	05/08/15 12:15
35187619007	**PMW-6**	Water	05/07/15 13:35	05/08/15 12:15
35187619008	**PMW-7**	Water	05/07/15 14:30	05/08/15 12:15

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SAMPLE ANALYTE COUNT

Project: Key West Gas & Electric
Pace Project No.: 35187619

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35187619001	**Trip Blank**	EPA 8260	SK	79	PASI-O
35187619002	**PMW-1**	EPA 8270 by SIM	EAO	20	PASI-O
		EPA 8260	SK	79	PASI-O
35187619003	**PMW-2**	EPA 8270 by SIM	EAO	18	PASI-O
		EPA 8260	SK	79	PASI-O
35187619004	**PMW-3**	EPA 8270 by SIM	EAO, TWB	20	PASI-O
		EPA 8260	SK	79	PASI-O
35187619005	**PMW-4**	EPA 8270 by SIM	TWB	20	PASI-O
		EPA 8260	SK	79	PASI-O
35187619006	**PMW-5**	EPA 8270 by SIM	TWB	20	PASI-O
		EPA 8260	SK	79	PASI-O
35187619007	**PMW-6**	EPA 8270 by SIM	EAO	20	PASI-O
		EPA 8260	SK	79	PASI-O
35187619008	**PMW-7**	EPA 8270 by SIM	EAO	20	PASI-O
		EPA 8260	SK	79	PASI-O

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ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: Trip Blank **Lab ID: 35187619001** Collected: 05/07/15 00:00 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	630-20-6	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	71-55-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		05/16/15 01:00	79-34-5	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	79-00-5	
1,1,2-Trichlorotrifluoroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	76-13-1	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	75-34-3	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	75-35-4	
1,1-Dichloropropene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	563-58-6	
1,2,3-Trichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	87-61-6	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		05/16/15 01:00	96-18-4	
1,2,3-Trimethylbenzene	**1.0 U**	ug/L	1.0	1.0	1		05/16/15 01:00	526-73-8	
1,2,4-Trichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	120-82-1	
1,2,4-Trimethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	95-63-6	
1,2-Dibromo-3-chloropropane	**1.0 U**	ug/L	2.0	1.0	1		05/16/15 01:00	96-12-8	
1,2-Dibromoethane (EDB)	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	106-93-4	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	95-50-1	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	107-06-2	
1,2-Dichloroethene (Total)	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	540-59-0	N2
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	78-87-5	
1,3,5-Trimethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	108-67-8	
1,3-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	541-73-1	
1,3-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	142-28-9	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	106-46-7	
2,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	594-20-7	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 01:00	78-93-3	
2-Chloroethylvinyl ether	**0.50 U**	ug/L	40.0	0.50	1		05/16/15 01:00	110-75-8	
2-Chlorotoluene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	95-49-8	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 01:00	591-78-6	
4-Chlorotoluene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	106-43-4	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 01:00	108-10-1	
Acetone	**10.0 U**	ug/L	20.0	10.0	1		05/16/15 01:00	67-64-1	
Acetonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 01:00	75-05-8	
Acrolein	**10.0 U**	ug/L	20.0	10.0	1		05/16/15 01:00	107-02-8	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 01:00	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		05/16/15 01:00	71-43-2	
Bromobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	108-86-1	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		05/16/15 01:00	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 01:00	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		05/16/15 01:00	74-87-3	

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ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: Trip Blank **Lab ID: 35187619001** Collected: 05/07/15 00:00 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		05/16/15 01:00	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	74-95-3	
Dichlorodifluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	75-71-8	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	100-41-4	
Hexachloro-1,3-butadiene	**0.40 U**	ug/L	1.0	0.40	1		05/16/15 01:00	87-68-3	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	74-88-4	
Isopropylbenzene (Cumene)	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	98-82-8	
Methyl-tert-butyl ether	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	1634-04-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		05/16/15 01:00	75-09-2	
Naphthalene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	91-20-3	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	100-42-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	108-88-3	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		05/16/15 01:00	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		05/16/15 01:00	1330-20-7	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	156-59-2	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/16/15 01:00	10061-01-5	
m&p-Xylene	**0.50 U**	ug/L	2.0	0.50	1		05/16/15 01:00	179601-23-1	
n-Butylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	104-51-8	
n-Propylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	103-65-1	
o-Xylene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	95-47-6	
p-Isopropyltoluene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	99-87-6	
sec-Butylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	135-98-8	
tert-Butylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	98-06-6	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 01:00	156-60-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/16/15 01:00	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 01:00	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-114		1		05/16/15 01:00	460-00-4	
1,2-Dichloroethane-d4 (S)	109	%	86-125		1		05/16/15 01:00	17060-07-0	
Toluene-d8 (S)	92	%	87-113		1		05/16/15 01:00	2037-26-5	

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ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: PMW-1 **Lab ID: 35187619002** Collected: 05/07/15 08:50 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**3.8**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 09:41	83-32-9	
Acenaphthylene	**5.5**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 09:41	208-96-8	
Anthracene	**2.0**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 09:41	120-12-7	
Benzo(a)anthracene	**0.079 I**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 09:41	56-55-3	
Benzo(a)pyrene	**0.95**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 09:41	50-32-8	
Benzo(b)fluoranthene	**0.94**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 09:41	205-99-2	
Benzo(g,h,i)perylene	**1.8**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 09:41	191-24-2	
Benzo(k)fluoranthene	**0.58**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 09:41	207-08-9	
Chrysene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 09:41	218-01-9	
Dibenz(a,h)anthracene	**1.9**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 09:41	53-70-3	
Fluoranthene	**1.6**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 09:41	206-44-0	
Fluorene	**5.1**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 09:41	86-73-7	
Indeno(1,2,3-cd)pyrene	**1.9**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 09:41	193-39-5	
1-Methylnaphthalene	**33.0**	ug/L	2.0	1.0	1	05/12/15 11:30	05/15/15 09:41	90-12-0	
2-Methylnaphthalene	**9.9**	ug/L	2.0	1.0	1	05/12/15 11:30	05/15/15 09:41	91-57-6	
Naphthalene	**31.0**	ug/L	2.0	1.0	1	05/12/15 11:30	05/15/15 09:41	91-20-3	
Phenanthrene	**13.6**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 09:41	85-01-8	
Pyrene	**3.7**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 09:41	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	65	%	18-110		1	05/12/15 11:30	05/15/15 09:41	321-60-8	
Terphenyl-d14 (S)	74	%	18-123		1	05/12/15 11:30	05/15/15 09:41	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	630-20-6	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	71-55-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		05/16/15 06:43	79-34-5	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	79-00-5	
1,1,2-Trichlorotrifluoroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	76-13-1	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	75-34-3	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	75-35-4	
1,1-Dichloropropene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	563-58-6	
1,2,3-Trichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	87-61-6	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		05/16/15 06:43	96-18-4	
1,2,3-Trimethylbenzene	**13.8**	ug/L	1.0	1.0	1		05/16/15 06:43	526-73-8	
1,2,4-Trichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	120-82-1	
1,2,4-Trimethylbenzene	**3.8**	ug/L	1.0	0.50	1		05/16/15 06:43	95-63-6	
1,2-Dibromo-3-chloropropane	**1.0 U**	ug/L	2.0	1.0	1		05/16/15 06:43	96-12-8	
1,2-Dibromoethane (EDB)	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	106-93-4	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	95-50-1	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	107-06-2	
1,2-Dichloroethene (Total)	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	540-59-0	N2
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	78-87-5	
1,3,5-Trimethylbenzene	**11.9**	ug/L	1.0	0.50	1		05/16/15 06:43	108-67-8	
1,3-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	541-73-1	
1,3-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	142-28-9	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	106-46-7	

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954-582-4300

ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: PMW-1 **Lab ID: 35187619002** Collected: 05/07/15 08:50 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
2,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	594-20-7	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 06:43	78-93-3	
2-Chloroethylvinyl ether	**0.50 U**	ug/L	40.0	0.50	1		05/16/15 06:43	110-75-8	
2-Chlorotoluene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	95-49-8	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 06:43	591-78-6	
4-Chlorotoluene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	106-43-4	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 06:43	108-10-1	
Acetone	**10.0 U**	ug/L	20.0	10.0	1		05/16/15 06:43	67-64-1	
Acetonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 06:43	75-05-8	
Acrolein	**10.0 U**	ug/L	20.0	10.0	1		05/16/15 06:43	107-02-8	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 06:43	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		05/16/15 06:43	71-43-2	
Bromobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	108-86-1	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		05/16/15 06:43	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 06:43	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		05/16/15 06:43	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		05/16/15 06:43	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	74-95-3	
Dichlorodifluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	75-71-8	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	100-41-4	
Hexachloro-1,3-butadiene	**0.40 U**	ug/L	1.0	0.40	1		05/16/15 06:43	87-68-3	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	74-88-4	
Isopropylbenzene (Cumene)	**11.8**	ug/L	1.0	0.50	1		05/16/15 06:43	98-82-8	
Methyl-tert-butyl ether	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	1634-04-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		05/16/15 06:43	75-09-2	
Naphthalene	**181**	ug/L	1.0	0.50	1		05/16/15 06:43	91-20-3	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	100-42-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	108-88-3	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		05/16/15 06:43	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	75-01-4	
Xylene (Total)	**7.5**	ug/L	3.0	0.50	1		05/16/15 06:43	1330-20-7	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	156-59-2	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/16/15 06:43	10061-01-5	
m&p-Xylene	**0.50 U**	ug/L	2.0	0.50	1		05/16/15 06:43	179601-23-1	
n-Butylbenzene	**1.5**	ug/L	1.0	0.50	1		05/16/15 06:43	104-51-8	
n-Propylbenzene	**3.4**	ug/L	1.0	0.50	1		05/16/15 06:43	103-65-1	

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954-582-4300

ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: PMW-1 **Lab ID: 35187619002** Collected: 05/07/15 08:50 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
o-Xylene	**7.1**	ug/L	1.0	0.50	1		05/16/15 06:43	95-47-6	
p-Isopropyltoluene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	99-87-6	
sec-Butylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	135-98-8	
tert-Butylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	98-06-6	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 06:43	156-60-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/16/15 06:43	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 06:43	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-114		1		05/16/15 06:43	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%	86-125		1		05/16/15 06:43	17060-07-0	
Toluene-d8 (S)	92	%	87-113		1		05/16/15 06:43	2037-26-5	

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ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: PMW-2 **Lab ID: 35187619003** Collected: 05/07/15 09:35 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**23.2**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:26	83-32-9	
Acenaphthylene	**8.9**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:26	208-96-8	
Anthracene	**5.5**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:26	120-12-7	
Benzo(a)anthracene	**0.048 I**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:26	56-55-3	
Benzo(a)pyrene	**0.069 I**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:26	50-32-8	1p,V
Benzo(b)fluoranthene	**0.090 I**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:26	205-99-2	
Benzo(g,h,i)perylene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:26	191-24-2	
Benzo(k)fluoranthene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:26	207-08-9	
Chrysene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:26	218-01-9	
Dibenz(a,h)anthracene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:26	53-70-3	
Fluoranthene	**5.2**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:26	206-44-0	
Fluorene	**6.4**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:26	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:26	193-39-5	
1-Methylnaphthalene	**52.0**	ug/L	2.0	1.0	1	05/12/15 11:30	05/15/15 10:26	90-12-0	
2-Methylnaphthalene	**8.8**	ug/L	2.0	1.0	1	05/12/15 11:30	05/15/15 10:26	91-57-6	
Naphthalene	**28.7**	ug/L	2.0	1.0	1	05/12/15 11:30	05/15/15 10:26	91-20-3	
Phenanthrene	**34.5**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:26	85-01-8	
Pyrene	**11.5**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:26	129-00-0	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	630-20-6	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	71-55-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		05/16/15 07:12	79-34-5	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	79-00-5	
1,1,2-Trichlorotrifluoroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	76-13-1	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	75-34-3	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	75-35-4	
1,1-Dichloropropene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	563-58-6	
1,2,3-Trichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	87-61-6	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		05/16/15 07:12	96-18-4	
1,2,3-Trimethylbenzene	**12.3**	ug/L	1.0	1.0	1		05/16/15 07:12	526-73-8	
1,2,4-Trichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	120-82-1	
1,2,4-Trimethylbenzene	**10.3**	ug/L	1.0	0.50	1		05/16/15 07:12	95-63-6	
1,2-Dibromo-3-chloropropane	**1.0 U**	ug/L	2.0	1.0	1		05/16/15 07:12	96-12-8	
1,2-Dibromoethane (EDB)	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	106-93-4	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	95-50-1	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	107-06-2	
1,2-Dichloroethene (Total)	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	540-59-0	N2
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	78-87-5	
1,3,5-Trimethylbenzene	**4.8**	ug/L	1.0	0.50	1		05/16/15 07:12	108-67-8	
1,3-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	541-73-1	
1,3-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	142-28-9	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	106-46-7	
2,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	594-20-7	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 07:12	78-93-3	
2-Chloroethylvinyl ether	**0.50 U**	ug/L	40.0	0.50	1		05/16/15 07:12	110-75-8	

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ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: PMW-2 **Lab ID: 35187619003** Collected: 05/07/15 09:35 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
2-Chlorotoluene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	95-49-8	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 07:12	591-78-6	
4-Chlorotoluene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	106-43-4	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 07:12	108-10-1	
Acetone	**10.0 U**	ug/L	20.0	10.0	1		05/16/15 07:12	67-64-1	
Acetonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 07:12	75-05-8	
Acrolein	**10.0 U**	ug/L	20.0	10.0	1		05/16/15 07:12	107-02-8	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 07:12	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		05/16/15 07:12	71-43-2	
Bromobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	108-86-1	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		05/16/15 07:12	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 07:12	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		05/16/15 07:12	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		05/16/15 07:12	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	74-95-3	
Dichlorodifluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	75-71-8	
Ethylbenzene	**3.9**	ug/L	1.0	0.50	1		05/16/15 07:12	100-41-4	
Hexachloro-1,3-butadiene	**0.40 U**	ug/L	1.0	0.40	1		05/16/15 07:12	87-68-3	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	74-88-4	
Isopropylbenzene (Cumene)	**4.2**	ug/L	1.0	0.50	1		05/16/15 07:12	98-82-8	
Methyl-tert-butyl ether	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	1634-04-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		05/16/15 07:12	75-09-2	
Naphthalene	**179**	ug/L	25.0	12.5	25		05/17/15 17:43	91-20-3	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	100-42-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	127-18-4	
Toluene	**0.63 I**	ug/L	1.0	0.50	1		05/16/15 07:12	108-88-3	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		05/16/15 07:12	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	75-01-4	
Xylene (Total)	**9.3**	ug/L	3.0	0.50	1		05/16/15 07:12	1330-20-7	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	156-59-2	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/16/15 07:12	10061-01-5	
m&p-Xylene	**1.5 I**	ug/L	2.0	0.50	1		05/16/15 07:12	179601-23-1	
n-Butylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	104-51-8	
n-Propylbenzene	**0.70 I**	ug/L	1.0	0.50	1		05/16/15 07:12	103-65-1	
o-Xylene	**7.8**	ug/L	1.0	0.50	1		05/16/15 07:12	95-47-6	
p-Isopropyltoluene	**1.5**	ug/L	1.0	0.50	1		05/16/15 07:12	99-87-6	
sec-Butylbenzene	**0.56 I**	ug/L	1.0	0.50	1		05/16/15 07:12	135-98-8	

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ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: PMW-2 **Lab ID: 35187619003** Collected: 05/07/15 09:35 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
tert-Butylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	98-06-6	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 07:12	156-60-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/16/15 07:12	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 07:12	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-114		1		05/16/15 07:12	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	86-125		1		05/16/15 07:12	17060-07-0	
Toluene-d8 (S)	91	%	87-113		1		05/16/15 07:12	2037-26-5	

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

ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: PMW-3 **Lab ID: 35187619004** Collected: 05/07/15 10:40 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:48	83-32-9	
Acenaphthylene	**0.17**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:48	208-96-8	
Anthracene	**0.18**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:48	120-12-7	
Benzo(a)anthracene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:48	56-55-3	
Benzo(a)pyrene	**0.20**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:48	50-32-8	1p,V
Benzo(a)pyrene	**0.025 U**	ug/L	0.10	0.025	1	05/16/15 04:00	05/17/15 16:25	50-32-8	Q
Benzo(b)fluoranthene	**0.16**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:48	205-99-2	
Benzo(g,h,i)perylene	**0.32**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:48	191-24-2	1p,V
Benzo(g,h,i)perylene	**0.025 U**	ug/L	0.10	0.025	1	05/16/15 04:00	05/17/15 16:25	191-24-2	Q
Benzo(k)fluoranthene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:48	207-08-9	
Chrysene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:48	218-01-9	
Dibenz(a,h)anthracene	**0.25**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:48	53-70-3	1p,V
Dibenz(a,h)anthracene	**0.025 U**	ug/L	0.10	0.025	1	05/16/15 04:00	05/17/15 16:25	53-70-3	Q
Fluoranthene	**0.18**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:48	206-44-0	
Fluorene	**1.2**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:48	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.27**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:48	193-39-5	1p,V
Indeno(1,2,3-cd)pyrene	**0.025 U**	ug/L	0.10	0.025	1	05/16/15 04:00	05/17/15 16:25	193-39-5	Q
1-Methylnaphthalene	**1.0 U**	ug/L	2.0	1.0	1	05/12/15 11:30	05/15/15 10:48	90-12-0	
2-Methylnaphthalene	**1.0 U**	ug/L	2.0	1.0	1	05/12/15 11:30	05/15/15 10:48	91-57-6	
Naphthalene	**1.0 U**	ug/L	2.0	1.0	1	05/12/15 11:30	05/15/15 10:48	91-20-3	
Phenanthrene	**0.091 I**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:48	85-01-8	
Pyrene	**0.37**	ug/L	0.10	0.025	1	05/12/15 11:30	05/15/15 10:48	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	67	%	18-110		1	05/12/15 11:30	05/15/15 10:48	321-60-8	
2-Fluorobiphenyl (S)	83	%	18-110		1	05/16/15 04:00	05/17/15 16:25	321-60-8	
Terphenyl-d14 (S)	83	%	18-123		1	05/16/15 04:00	05/17/15 16:25	1718-51-0	
Terphenyl-d14 (S)	79	%	18-123		1	05/12/15 11:30	05/15/15 10:48	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	630-20-6	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	71-55-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		05/17/15 14:49	79-34-5	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	79-00-5	
1,1,2-Trichlorotrifluoroethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	76-13-1	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	75-34-3	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	75-35-4	
1,1-Dichloropropene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	563-58-6	
1,2,3-Trichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	87-61-6	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		05/17/15 14:49	96-18-4	
1,2,3-Trimethylbenzene	**1.0 U**	ug/L	1.0	1.0	1		05/17/15 14:49	526-73-8	
1,2,4-Trichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	120-82-1	
1,2,4-Trimethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	95-63-6	
1,2-Dibromo-3-chloropropane	**1.0 U**	ug/L	2.0	1.0	1		05/17/15 14:49	96-12-8	
1,2-Dibromoethane (EDB)	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	106-93-4	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	95-50-1	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	107-06-2	

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ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: PMW-3 **Lab ID: 35187619004** Collected: 05/07/15 10:40 Received: 05/08/15 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)	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	540-59-0	N2
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	78-87-5	
1,3,5-Trimethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	108-67-8	
1,3-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	541-73-1	
1,3-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	142-28-9	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	106-46-7	
2,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	594-20-7	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		05/17/15 14:49	78-93-3	
2-Chloroethylvinyl ether	**0.50 U**	ug/L	40.0	0.50	1		05/17/15 14:49	110-75-8	
2-Chlorotoluene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	95-49-8	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		05/17/15 14:49	591-78-6	
4-Chlorotoluene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	106-43-4	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		05/17/15 14:49	108-10-1	
Acetone	**10.0 U**	ug/L	20.0	10.0	1		05/17/15 14:49	67-64-1	
Acetonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/17/15 14:49	75-05-8	
Acrolein	**10.0 U**	ug/L	20.0	10.0	1		05/17/15 14:49	107-02-8	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/17/15 14:49	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		05/17/15 14:49	71-43-2	
Bromobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	108-86-1	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		05/17/15 14:49	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		05/17/15 14:49	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		05/17/15 14:49	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		05/17/15 14:49	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	74-95-3	
Dichlorodifluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	75-71-8	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	100-41-4	
Hexachloro-1,3-butadiene	**0.40 U**	ug/L	1.0	0.40	1		05/17/15 14:49	87-68-3	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	74-88-4	
Isopropylbenzene (Cumene)	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	98-82-8	
Methyl-tert-butyl ether	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	1634-04-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		05/17/15 14:49	75-09-2	
Naphthalene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	91-20-3	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	100-42-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	108-88-3	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		05/17/15 14:49	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	75-01-4	

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ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: PMW-3 **Lab ID: 35187619004** Collected: 05/07/15 10:40 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		05/17/15 14:49	1330-20-7	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	156-59-2	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/17/15 14:49	10061-01-5	
m&p-Xylene	**0.50 U**	ug/L	2.0	0.50	1		05/17/15 14:49	179601-23-1	
n-Butylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	104-51-8	
n-Propylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	103-65-1	
o-Xylene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	95-47-6	
p-Isopropyltoluene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	99-87-6	
sec-Butylbenzene	**0.66 I**	ug/L	1.0	0.50	1		05/17/15 14:49	135-98-8	
tert-Butylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	98-06-6	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 14:49	156-60-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/17/15 14:49	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		05/17/15 14:49	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-114		1		05/17/15 14:49	460-00-4	
1,2-Dichloroethane-d4 (S)	115	%	86-125		1		05/17/15 14:49	17060-07-0	
Toluene-d8 (S)	97	%	87-113		1		05/17/15 14:49	2037-26-5	

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ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: PMW-4 **Lab ID: 35187619005** Collected: 05/07/15 11:20 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:00	83-32-9	
Acenaphthylene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:00	208-96-8	
Anthracene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:00	120-12-7	
Benzo(a)anthracene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:00	56-55-3	
Benzo(a)pyrene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:00	50-32-8	
Benzo(b)fluoranthene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:00	205-99-2	
Benzo(g,h,i)perylene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:00	191-24-2	
Benzo(k)fluoranthene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:00	207-08-9	
Chrysene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:00	218-01-9	
Dibenz(a,h)anthracene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:00	53-70-3	
Fluoranthene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:00	206-44-0	
Fluorene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:00	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:00	193-39-5	
1-Methylnaphthalene	**1.0 U**	ug/L	2.0	1.0	1	05/12/15 11:30	05/14/15 15:00	90-12-0	
2-Methylnaphthalene	**1.0 U**	ug/L	2.0	1.0	1	05/12/15 11:30	05/14/15 15:00	91-57-6	
Naphthalene	**1.0 U**	ug/L	2.0	1.0	1	05/12/15 11:30	05/14/15 15:00	91-20-3	
Phenanthrene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:00	85-01-8	
Pyrene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:00	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	57	%	18-110		1	05/12/15 11:30	05/14/15 15:00	321-60-8	
Terphenyl-d14 (S)	79	%	18-123		1	05/12/15 11:30	05/14/15 15:00	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	630-20-6	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	71-55-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		05/17/15 15:13	79-34-5	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	79-00-5	
1,1,2-Trichlorotrifluoroethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	76-13-1	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	75-34-3	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	75-35-4	
1,1-Dichloropropene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	563-58-6	
1,2,3-Trichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	87-61-6	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		05/17/15 15:13	96-18-4	
1,2,3-Trimethylbenzene	**1.0 U**	ug/L	1.0	1.0	1		05/17/15 15:13	526-73-8	
1,2,4-Trichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	120-82-1	
1,2,4-Trimethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	95-63-6	
1,2-Dibromo-3-chloropropane	**1.0 U**	ug/L	2.0	1.0	1		05/17/15 15:13	96-12-8	
1,2-Dibromoethane (EDB)	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	106-93-4	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	95-50-1	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	107-06-2	
1,2-Dichloroethene (Total)	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	540-59-0	N2
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	78-87-5	
1,3,5-Trimethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	108-67-8	
1,3-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	541-73-1	
1,3-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	142-28-9	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	106-46-7	

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ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: PMW-4 **Lab ID: 35187619005** Collected: 05/07/15 11:20 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
2,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	594-20-7	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		05/17/15 15:13	78-93-3	
2-Chloroethylvinyl ether	**0.50 U**	ug/L	40.0	0.50	1		05/17/15 15:13	110-75-8	
2-Chlorotoluene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	95-49-8	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		05/17/15 15:13	591-78-6	
4-Chlorotoluene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	106-43-4	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		05/17/15 15:13	108-10-1	
Acetone	**10.0 U**	ug/L	20.0	10.0	1		05/17/15 15:13	67-64-1	
Acetonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/17/15 15:13	75-05-8	
Acrolein	**10.0 U**	ug/L	20.0	10.0	1		05/17/15 15:13	107-02-8	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/17/15 15:13	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		05/17/15 15:13	71-43-2	
Bromobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	108-86-1	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		05/17/15 15:13	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		05/17/15 15:13	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		05/17/15 15:13	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		05/17/15 15:13	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	74-95-3	
Dichlorodifluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	75-71-8	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	100-41-4	
Hexachloro-1,3-butadiene	**0.40 U**	ug/L	1.0	0.40	1		05/17/15 15:13	87-68-3	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	74-88-4	
Isopropylbenzene (Cumene)	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	98-82-8	
Methyl-tert-butyl ether	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	1634-04-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		05/17/15 15:13	75-09-2	
Naphthalene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	91-20-3	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	100-42-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	108-88-3	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		05/17/15 15:13	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		05/17/15 15:13	1330-20-7	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	156-59-2	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/17/15 15:13	10061-01-5	
m&p-Xylene	**0.50 U**	ug/L	2.0	0.50	1		05/17/15 15:13	179601-23-1	
n-Butylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	104-51-8	
n-Propylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	103-65-1	

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ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: PMW-4 **Lab ID: 35187619005** Collected: 05/07/15 11:20 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
o-Xylene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	95-47-6	
p-Isopropyltoluene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	99-87-6	
sec-Butylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	135-98-8	
tert-Butylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	98-06-6	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:13	156-60-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/17/15 15:13	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		05/17/15 15:13	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-114		1		05/17/15 15:13	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	86-125		1		05/17/15 15:13	17060-07-0	
Toluene-d8 (S)	96	%	87-113		1		05/17/15 15:13	2037-26-5	

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ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: PMW-5 **Lab ID: 35187619006** Collected: 05/07/15 12:25 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:23	83-32-9	
Acenaphthylene	**0.23**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:23	208-96-8	
Anthracene	**0.14**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:23	120-12-7	
Benzo(a)anthracene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:23	56-55-3	
Benzo(a)pyrene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:23	50-32-8	
Benzo(b)fluoranthene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:23	205-99-2	
Benzo(g,h,i)perylene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:23	191-24-2	
Benzo(k)fluoranthene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:23	207-08-9	
Chrysene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:23	218-01-9	
Dibenz(a,h)anthracene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:23	53-70-3	
Fluoranthene	**0.030 I**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:23	206-44-0	
Fluorene	**1.2**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:23	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:23	193-39-5	
1-Methylnaphthalene	**1.0 U**	ug/L	2.0	1.0	1	05/12/15 11:30	05/14/15 15:23	90-12-0	
2-Methylnaphthalene	**1.0 U**	ug/L	2.0	1.0	1	05/12/15 11:30	05/14/15 15:23	91-57-6	
Naphthalene	**1.0 U**	ug/L	2.0	1.0	1	05/12/15 11:30	05/14/15 15:23	91-20-3	
Phenanthrene	**0.091 I**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:23	85-01-8	
Pyrene	**0.088 I**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:23	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	73	%	18-110		1	05/12/15 11:30	05/14/15 15:23	321-60-8	
Terphenyl-d14 (S)	78	%	18-123		1	05/12/15 11:30	05/14/15 15:23	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	630-20-6	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	71-55-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		05/17/15 15:40	79-34-5	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	79-00-5	
1,1,2-Trichlorotrifluoroethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	76-13-1	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	75-34-3	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	75-35-4	
1,1-Dichloropropene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	563-58-6	
1,2,3-Trichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	87-61-6	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		05/17/15 15:40	96-18-4	
1,2,3-Trimethylbenzene	**1.0 U**	ug/L	1.0	1.0	1		05/17/15 15:40	526-73-8	
1,2,4-Trichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	120-82-1	
1,2,4-Trimethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	95-63-6	
1,2-Dibromo-3-chloropropane	**1.0 U**	ug/L	2.0	1.0	1		05/17/15 15:40	96-12-8	
1,2-Dibromoethane (EDB)	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	106-93-4	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	95-50-1	
1,2-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	107-06-2	
1,2-Dichloroethene (Total)	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	540-59-0	N2
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	78-87-5	
1,3,5-Trimethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	108-67-8	
1,3-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	541-73-1	
1,3-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	142-28-9	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	106-46-7	

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ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: PMW-5 **Lab ID: 35187619006** Collected: 05/07/15 12:25 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
2,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	594-20-7	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		05/17/15 15:40	78-93-3	
2-Chloroethylvinyl ether	**0.50 U**	ug/L	40.0	0.50	1		05/17/15 15:40	110-75-8	
2-Chlorotoluene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	95-49-8	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		05/17/15 15:40	591-78-6	
4-Chlorotoluene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	106-43-4	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		05/17/15 15:40	108-10-1	
Acetone	**10.0 U**	ug/L	20.0	10.0	1		05/17/15 15:40	67-64-1	
Acetonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/17/15 15:40	75-05-8	
Acrolein	**10.0 U**	ug/L	20.0	10.0	1		05/17/15 15:40	107-02-8	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/17/15 15:40	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		05/17/15 15:40	71-43-2	
Bromobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	108-86-1	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		05/17/15 15:40	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		05/17/15 15:40	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		05/17/15 15:40	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		05/17/15 15:40	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	74-95-3	
Dichlorodifluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	75-71-8	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	100-41-4	
Hexachloro-1,3-butadiene	**0.40 U**	ug/L	1.0	0.40	1		05/17/15 15:40	87-68-3	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	74-88-4	
Isopropylbenzene (Cumene)	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	98-82-8	
Methyl-tert-butyl ether	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	1634-04-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		05/17/15 15:40	75-09-2	
Naphthalene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	91-20-3	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	100-42-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	108-88-3	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		05/17/15 15:40	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		05/17/15 15:40	1330-20-7	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	156-59-2	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/17/15 15:40	10061-01-5	
m&p-Xylene	**0.50 U**	ug/L	2.0	0.50	1		05/17/15 15:40	179601-23-1	
n-Butylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	104-51-8	
n-Propylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	103-65-1	

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ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: PMW-5 **Lab ID: 35187619006** Collected: 05/07/15 12:25 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
o-Xylene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	95-47-6	
p-Isopropyltoluene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	99-87-6	
sec-Butylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	135-98-8	
tert-Butylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	98-06-6	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/17/15 15:40	156-60-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/17/15 15:40	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		05/17/15 15:40	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-114		1		05/17/15 15:40	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	86-125		1		05/17/15 15:40	17060-07-0	
Toluene-d8 (S)	97	%	87-113		1		05/17/15 15:40	2037-26-5	

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954-582-4300

ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: PMW-6 **Lab ID: 35187619007** Collected: 05/07/15 13:35 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:45	83-32-9	
Acenaphthylene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:45	208-96-8	
Anthracene	**0.14**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:45	120-12-7	
Benzo(a)anthracene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:45	56-55-3	
Benzo(a)pyrene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:45	50-32-8	
Benzo(b)fluoranthene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:45	205-99-2	
Benzo(g,h,i)perylene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:45	191-24-2	
Benzo(k)fluoranthene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:45	207-08-9	
Chrysene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:45	218-01-9	
Dibenz(a,h)anthracene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:45	53-70-3	
Fluoranthene	**0.038 I**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:45	206-44-0	
Fluorene	**0.76**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:45	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:45	193-39-5	
1-Methylnaphthalene	**1.0 U**	ug/L	2.0	1.0	1	05/12/15 11:30	05/14/15 15:45	90-12-0	
2-Methylnaphthalene	**1.0 U**	ug/L	2.0	1.0	1	05/12/15 11:30	05/14/15 15:45	91-57-6	
Naphthalene	**1.0 U**	ug/L	2.0	1.0	1	05/12/15 11:30	05/14/15 15:45	91-20-3	
Phenanthrene	**0.34**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:45	85-01-8	
Pyrene	**0.062 I**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 15:45	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	68	%	18-110		1	05/12/15 11:30	05/14/15 15:45	321-60-8	
Terphenyl-d14 (S)	77	%	18-123		1	05/12/15 11:30	05/14/15 15:45	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	630-20-6	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	71-55-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		05/16/15 08:51	79-34-5	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	79-00-5	
1,1,2-Trichlorotrifluoroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	76-13-1	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	75-34-3	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	75-35-4	
1,1-Dichloropropene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	563-58-6	
1,2,3-Trichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	87-61-6	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		05/16/15 08:51	96-18-4	
1,2,3-Trimethylbenzene	**1.0 U**	ug/L	1.0	1.0	1		05/16/15 08:51	526-73-8	
1,2,4-Trichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	120-82-1	
1,2,4-Trimethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	95-63-6	
1,2-Dibromo-3-chloropropane	**1.0 U**	ug/L	2.0	1.0	1		05/16/15 08:51	96-12-8	
1,2-Dibromoethane (EDB)	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	106-93-4	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	95-50-1	
1,2-Dichloroethane	**0.60 I**	ug/L	1.0	0.50	1		05/16/15 08:51	107-06-2	
1,2-Dichloroethene (Total)	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	540-59-0	N2
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	78-87-5	
1,3,5-Trimethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	108-67-8	
1,3-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	541-73-1	
1,3-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	142-28-9	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	106-46-7	

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ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: PMW-6 **Lab ID: 35187619007** Collected: 05/07/15 13:35 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
2,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	594-20-7	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 08:51	78-93-3	
2-Chloroethylvinyl ether	**0.50 U**	ug/L	40.0	0.50	1		05/16/15 08:51	110-75-8	
2-Chlorotoluene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	95-49-8	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 08:51	591-78-6	
4-Chlorotoluene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	106-43-4	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 08:51	108-10-1	
Acetone	**10.0 U**	ug/L	20.0	10.0	1		05/16/15 08:51	67-64-1	
Acetonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 08:51	75-05-8	
Acrolein	**10.0 U**	ug/L	20.0	10.0	1		05/16/15 08:51	107-02-8	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 08:51	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		05/16/15 08:51	71-43-2	
Bromobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	108-86-1	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		05/16/15 08:51	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 08:51	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	67-66-3	
Chloromethane	**7.2**	ug/L	1.0	0.62	1		05/16/15 08:51	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		05/16/15 08:51	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	74-95-3	
Dichlorodifluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	75-71-8	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	100-41-4	
Hexachloro-1,3-butadiene	**0.40 U**	ug/L	1.0	0.40	1		05/16/15 08:51	87-68-3	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	74-88-4	
Isopropylbenzene (Cumene)	**0.85 I**	ug/L	1.0	0.50	1		05/16/15 08:51	98-82-8	
Methyl-tert-butyl ether	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	1634-04-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		05/16/15 08:51	75-09-2	
Naphthalene	**3.6**	ug/L	1.0	0.50	1		05/16/15 08:51	91-20-3	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	100-42-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	108-88-3	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		05/16/15 08:51	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	75-01-4	
Xylene (Total)	**2.4 I**	ug/L	3.0	0.50	1		05/16/15 08:51	1330-20-7	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	156-59-2	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/16/15 08:51	10061-01-5	
m&p-Xylene	**0.50 U**	ug/L	2.0	0.50	1		05/16/15 08:51	179601-23-1	
n-Butylbenzene	**0.54 I**	ug/L	1.0	0.50	1		05/16/15 08:51	104-51-8	
n-Propylbenzene	**0.61 I**	ug/L	1.0	0.50	1		05/16/15 08:51	103-65-1	

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ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: PMW-6 **Lab ID: 35187619007** Collected: 05/07/15 13:35 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
o-Xylene	**2.4**	ug/L	1.0	0.50	1		05/16/15 08:51	95-47-6	
p-Isopropyltoluene	**0.79 I**	ug/L	1.0	0.50	1		05/16/15 08:51	99-87-6	
sec-Butylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	135-98-8	
tert-Butylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	98-06-6	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 08:51	156-60-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/16/15 08:51	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 08:51	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-114		1		05/16/15 08:51	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	86-125		1		05/16/15 08:51	17060-07-0	
Toluene-d8 (S)	91	%	87-113		1		05/16/15 08:51	2037-26-5	

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ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: PMW-7 **Lab ID: 35187619008** Collected: 05/07/15 14:30 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAHLV by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3510								
Acenaphthene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 16:08	83-32-9	
Acenaphthylene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 16:08	208-96-8	
Anthracene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 16:08	120-12-7	
Benzo(a)anthracene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 16:08	56-55-3	
Benzo(a)pyrene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 16:08	50-32-8	
Benzo(b)fluoranthene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 16:08	205-99-2	
Benzo(g,h,i)perylene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 16:08	191-24-2	
Benzo(k)fluoranthene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 16:08	207-08-9	
Chrysene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 16:08	218-01-9	
Dibenz(a,h)anthracene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 16:08	53-70-3	
Fluoranthene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 16:08	206-44-0	
Fluorene	**0.10**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 16:08	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 16:08	193-39-5	
1-Methylnaphthalene	**1.0 U**	ug/L	2.0	1.0	1	05/12/15 11:30	05/14/15 16:08	90-12-0	
2-Methylnaphthalene	**1.0 U**	ug/L	2.0	1.0	1	05/12/15 11:30	05/14/15 16:08	91-57-6	
Naphthalene	**1.0 U**	ug/L	2.0	1.0	1	05/12/15 11:30	05/14/15 16:08	91-20-3	
Phenanthrene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 16:08	85-01-8	
Pyrene	**0.025 U**	ug/L	0.10	0.025	1	05/12/15 11:30	05/14/15 16:08	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	71	%	18-110		1	05/12/15 11:30	05/14/15 16:08	321-60-8	
Terphenyl-d14 (S)	77	%	18-123		1	05/12/15 11:30	05/14/15 16:08	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	630-20-6	
1,1,1-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	71-55-6	
1,1,2,2-Tetrachloroethane	**0.12 U**	ug/L	0.50	0.12	1		05/16/15 09:15	79-34-5	
1,1,2-Trichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	79-00-5	
1,1,2-Trichlorotrifluoroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	76-13-1	
1,1-Dichloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	75-34-3	
1,1-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	75-35-4	
1,1-Dichloropropene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	563-58-6	
1,2,3-Trichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	87-61-6	
1,2,3-Trichloropropane	**0.59 U**	ug/L	1.0	0.59	1		05/16/15 09:15	96-18-4	
1,2,3-Trimethylbenzene	**1.0 U**	ug/L	1.0	1.0	1		05/16/15 09:15	526-73-8	
1,2,4-Trichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	120-82-1	
1,2,4-Trimethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	95-63-6	
1,2-Dibromo-3-chloropropane	**1.0 U**	ug/L	2.0	1.0	1		05/16/15 09:15	96-12-8	
1,2-Dibromoethane (EDB)	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	106-93-4	
1,2-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	95-50-1	
1,2-Dichloroethane	**0.65 I**	ug/L	1.0	0.50	1		05/16/15 09:15	107-06-2	
1,2-Dichloroethene (Total)	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	540-59-0	N2
1,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	78-87-5	
1,3,5-Trimethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	108-67-8	
1,3-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	541-73-1	
1,3-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	142-28-9	
1,4-Dichlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	106-46-7	

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ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: PMW-7 **Lab ID: 35187619008** Collected: 05/07/15 14:30 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
2,2-Dichloropropane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	594-20-7	
2-Butanone (MEK)	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 09:15	78-93-3	
2-Chloroethylvinyl ether	**0.50 U**	ug/L	40.0	0.50	1		05/16/15 09:15	110-75-8	
2-Chlorotoluene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	95-49-8	
2-Hexanone	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 09:15	591-78-6	
4-Chlorotoluene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	106-43-4	
4-Methyl-2-pentanone (MIBK)	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 09:15	108-10-1	
Acetone	**10.0 U**	ug/L	20.0	10.0	1		05/16/15 09:15	67-64-1	
Acetonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 09:15	75-05-8	
Acrolein	**10.0 U**	ug/L	20.0	10.0	1		05/16/15 09:15	107-02-8	
Acrylonitrile	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 09:15	107-13-1	
Benzene	**0.10 U**	ug/L	1.0	0.10	1		05/16/15 09:15	71-43-2	
Bromobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	108-86-1	
Bromochloromethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	74-97-5	
Bromodichloromethane	**0.27 U**	ug/L	0.60	0.27	1		05/16/15 09:15	75-27-4	
Bromoform	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	75-25-2	
Bromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	74-83-9	
Carbon disulfide	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 09:15	75-15-0	
Carbon tetrachloride	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	56-23-5	
Chlorobenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	108-90-7	
Chloroethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	75-00-3	
Chloroform	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	67-66-3	
Chloromethane	**0.62 U**	ug/L	1.0	0.62	1		05/16/15 09:15	74-87-3	
Dibromochloromethane	**0.26 U**	ug/L	0.50	0.26	1		05/16/15 09:15	124-48-1	
Dibromomethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	74-95-3	
Dichlorodifluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	75-71-8	
Ethylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	100-41-4	
Hexachloro-1,3-butadiene	**0.40 U**	ug/L	1.0	0.40	1		05/16/15 09:15	87-68-3	
Iodomethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	74-88-4	
Isopropylbenzene (Cumene)	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	98-82-8	
Methyl-tert-butyl ether	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	1634-04-4	
Methylene Chloride	**2.5 U**	ug/L	5.0	2.5	1		05/16/15 09:15	75-09-2	
Naphthalene	**3.5**	ug/L	1.0	0.50	1		05/16/15 09:15	91-20-3	
Styrene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	100-42-5	
Tetrachloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	127-18-4	
Toluene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	108-88-3	
Trichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	79-01-6	
Trichlorofluoromethane	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	75-69-4	
Vinyl acetate	**1.0 U**	ug/L	2.0	1.0	1		05/16/15 09:15	108-05-4	
Vinyl chloride	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	75-01-4	
Xylene (Total)	**0.50 U**	ug/L	3.0	0.50	1		05/16/15 09:15	1330-20-7	
cis-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	156-59-2	
cis-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/16/15 09:15	10061-01-5	
m&p-Xylene	**0.50 U**	ug/L	2.0	0.50	1		05/16/15 09:15	179601-23-1	
n-Butylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	104-51-8	
n-Propylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	103-65-1	

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ANALYTICAL RESULTS

Project: Key West Gas & Electric
Pace Project No.: 35187619

Sample: PMW-7 **Lab ID: 35187619008** Collected: 05/07/15 14:30 Received: 05/08/15 12:15 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
o-Xylene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	95-47-6	
p-Isopropyltoluene	**0.56 I**	ug/L	1.0	0.50	1		05/16/15 09:15	99-87-6	
sec-Butylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	135-98-8	
tert-Butylbenzene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	98-06-6	
trans-1,2-Dichloroethene	**0.50 U**	ug/L	1.0	0.50	1		05/16/15 09:15	156-60-5	
trans-1,3-Dichloropropene	**0.25 U**	ug/L	0.50	0.25	1		05/16/15 09:15	10061-02-6	
trans-1,4-Dichloro-2-butene	**5.0 U**	ug/L	10.0	5.0	1		05/16/15 09:15	110-57-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-114		1		05/16/15 09:15	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	86-125		1		05/16/15 09:15	17060-07-0	
Toluene-d8 (S)	93	%	87-113		1		05/16/15 09:15	2037-26-5	

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QUALITY CONTROL DATA

Project: Key West Gas & Electric
Pace Project No.: 35187619

QC Batch: MSV/14878 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35187619001, 35187619002, 35187619003, 35187619007, 35187619008

METHOD BLANK: 1215230 Matrix: Water
Associated Lab Samples: 35187619001, 35187619002, 35187619003, 35187619007, 35187619008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	05/16/15 00:36	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	05/16/15 00:36	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	05/16/15 00:36	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	05/16/15 00:36	
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 U	1.0	05/16/15 00:36	
1,1-Dichloroethane	ug/L	0.50 U	1.0	05/16/15 00:36	
1,1-Dichloroethene	ug/L	0.50 U	1.0	05/16/15 00:36	
1,1-Dichloropropene	ug/L	0.50 U	1.0	05/16/15 00:36	
1,2,3-Trichlorobenzene	ug/L	0.50 U	1.0	05/16/15 00:36	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	05/16/15 00:36	
1,2,3-Trimethylbenzene	ug/L	1.0 U	1.0	05/16/15 00:36	
1,2,4-Trichlorobenzene	ug/L	0.50 U	1.0	05/16/15 00:36	
1,2,4-Trimethylbenzene	ug/L	0.50 U	1.0	05/16/15 00:36	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	2.0	05/16/15 00:36	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	1.0	05/16/15 00:36	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	05/16/15 00:36	
1,2-Dichloroethane	ug/L	0.50 U	1.0	05/16/15 00:36	
1,2-Dichloroethene (Total)	ug/L	0.50 U	1.0	05/16/15 00:36	N2
1,2-Dichloropropane	ug/L	0.50 U	1.0	05/16/15 00:36	
1,3,5-Trimethylbenzene	ug/L	0.50 U	1.0	05/16/15 00:36	
1,3-Dichlorobenzene	ug/L	0.50 U	1.0	05/16/15 00:36	
1,3-Dichloropropane	ug/L	0.50 U	1.0	05/16/15 00:36	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	05/16/15 00:36	
2,2-Dichloropropane	ug/L	0.50 U	1.0	05/16/15 00:36	
2-Butanone (MEK)	ug/L	5.0 U	10.0	05/16/15 00:36	
2-Chloroethylvinyl ether	ug/L	0.50 U	40.0	05/16/15 00:36	
2-Chlorotoluene	ug/L	0.50 U	1.0	05/16/15 00:36	
2-Hexanone	ug/L	5.0 U	10.0	05/16/15 00:36	
4-Chlorotoluene	ug/L	0.50 U	1.0	05/16/15 00:36	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	05/16/15 00:36	
Acetone	ug/L	10.0 U	20.0	05/16/15 00:36	
Acetonitrile	ug/L	5.0 U	10.0	05/16/15 00:36	
Acrolein	ug/L	10.0 U	20.0	05/16/15 00:36	
Acrylonitrile	ug/L	5.0 U	10.0	05/16/15 00:36	
Benzene	ug/L	0.10 U	1.0	05/16/15 00:36	
Bromobenzene	ug/L	0.50 U	1.0	05/16/15 00:36	
Bromochloromethane	ug/L	0.50 U	1.0	05/16/15 00:36	
Bromodichloromethane	ug/L	0.27 U	0.60	05/16/15 00:36	
Bromoform	ug/L	0.50 U	1.0	05/16/15 00:36	
Bromomethane	ug/L	0.50 U	1.0	05/16/15 00:36	
Carbon disulfide	ug/L	5.0 U	10.0	05/16/15 00:36	

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QUALITY CONTROL DATA

Project: Key West Gas & Electric
Pace Project No.: 35187619

METHOD BLANK: 1215230 Matrix: Water
Associated Lab Samples: 35187619001, 35187619002, 35187619003, 35187619007, 35187619008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbon tetrachloride	ug/L	0.50 U	1.0	05/16/15 00:36	
Chlorobenzene	ug/L	0.50 U	1.0	05/16/15 00:36	
Chloroethane	ug/L	0.50 U	1.0	05/16/15 00:36	
Chloroform	ug/L	0.50 U	1.0	05/16/15 00:36	
Chloromethane	ug/L	0.62 U	1.0	05/16/15 00:36	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	05/16/15 00:36	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	05/16/15 00:36	
Dibromochloromethane	ug/L	0.26 U	0.50	05/16/15 00:36	
Dibromomethane	ug/L	0.50 U	1.0	05/16/15 00:36	
Dichlorodifluoromethane	ug/L	0.50 U	1.0	05/16/15 00:36	
Ethylbenzene	ug/L	0.50 U	1.0	05/16/15 00:36	
Hexachloro-1,3-butadiene	ug/L	0.40 U	1.0	05/16/15 00:36	
Iodomethane	ug/L	0.50 U	1.0	05/16/15 00:36	
Isopropylbenzene (Cumene)	ug/L	0.50 U	1.0	05/16/15 00:36	
m&p-Xylene	ug/L	0.50 U	2.0	05/16/15 00:36	
Methyl-tert-butyl ether	ug/L	0.50 U	1.0	05/16/15 00:36	
Methylene Chloride	ug/L	2.5 U	5.0	05/16/15 00:36	
n-Butylbenzene	ug/L	0.50 U	1.0	05/16/15 00:36	
n-Propylbenzene	ug/L	0.50 U	1.0	05/16/15 00:36	
Naphthalene	ug/L	0.50 U	1.0	05/16/15 00:36	
o-Xylene	ug/L	0.50 U	1.0	05/16/15 00:36	
p-Isopropyltoluene	ug/L	0.50 U	1.0	05/16/15 00:36	
sec-Butylbenzene	ug/L	0.50 U	1.0	05/16/15 00:36	
Styrene	ug/L	0.50 U	1.0	05/16/15 00:36	
tert-Butylbenzene	ug/L	0.50 U	1.0	05/16/15 00:36	
Tetrachloroethene	ug/L	0.50 U	1.0	05/16/15 00:36	
Toluene	ug/L	0.50 U	1.0	05/16/15 00:36	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	05/16/15 00:36	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	05/16/15 00:36	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	05/16/15 00:36	
Trichloroethene	ug/L	0.50 U	1.0	05/16/15 00:36	
Trichlorofluoromethane	ug/L	0.50 U	1.0	05/16/15 00:36	
Vinyl acetate	ug/L	1.0 U	2.0	05/16/15 00:36	
Vinyl chloride	ug/L	0.50 U	1.0	05/16/15 00:36	
Xylene (Total)	ug/L	0.50 U	3.0	05/16/15 00:36	
1,2-Dichloroethane-d4 (S)	%	103	86-125	05/16/15 00:36	
4-Bromofluorobenzene (S)	%	96	70-114	05/16/15 00:36	
Toluene-d8 (S)	%	94	87-113	05/16/15 00:36	

LABORATORY CONTROL SAMPLE: 1215231

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.8	109	70-130	
1,1,1-Trichloroethane	ug/L	20	20.1	100	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Key West Gas & Electric
Pace Project No.: 35187619

LABORATORY CONTROL SAMPLE: 1215231

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	23.0	115	70-130	
1,1,2-Trichloroethane	ug/L	20	22.2	111	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	20	20.4	102	70-130	
1,1-Dichloroethane	ug/L	20	19.6	98	70-130	
1,1-Dichloroethene	ug/L	20	18.5	92	70-130	
1,1-Dichloropropene	ug/L	20	19.1	95	70-130	
1,2,3-Trichlorobenzene	ug/L	20	22.7	114	70-137	
1,2,3-Trichloropropane	ug/L	20	23.2	116	70-130	
1,2,3-Trimethylbenzene	ug/L	20	19.0	95	70-135	
1,2,4-Trichlorobenzene	ug/L	20	22.2	111	70-130	
1,2,4-Trimethylbenzene	ug/L	20	22.9	114	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	22.6	113	64-130	
1,2-Dibromoethane (EDB)	ug/L	20	21.3	106	70-130	
1,2-Dichlorobenzene	ug/L	20	22.4	112	70-130	
1,2-Dichloroethane	ug/L	20	19.0	95	70-130	
1,2-Dichloroethene (Total)	ug/L	40	41.2	103	70-130	N2
1,2-Dichloropropane	ug/L	20	18.4	92	70-130	
1,3,5-Trimethylbenzene	ug/L	20	22.6	113	70-130	
1,3-Dichlorobenzene	ug/L	20	23.4	117	70-130	
1,3-Dichloropropane	ug/L	20	21.2	106	70-130	
1,4-Dichlorobenzene	ug/L	20	22.3	112	70-130	
2,2-Dichloropropane	ug/L	20	20.9	104	70-131	
2-Butanone (MEK)	ug/L	40	36.7	92	55-167	
2-Chloroethylvinyl ether	ug/L	20	16.8 I	84	70-130	
2-Chlorotoluene	ug/L	20	23.2	116	70-130	
2-Hexanone	ug/L	40	42.5	106	65-130	
4-Chlorotoluene	ug/L	20	23.4	117	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	44.6	111	70-130	
Acetone	ug/L	40	37.9	95	40-150	
Acetonitrile	ug/L	200	161	81	63-138	
Acrolein	ug/L	200	169	84	44-170	
Acrylonitrile	ug/L	200	206	103	70-130	
Benzene	ug/L	20	18.9	95	70-130	
Bromobenzene	ug/L	20	23.7	119	70-130	
Bromochloromethane	ug/L	20	19.9	99	70-130	
Bromodichloromethane	ug/L	20	18.6	93	70-130	
Bromoform	ug/L	20	20.7	104	68-130	
Bromomethane	ug/L	20	15.8	79	38-179	
Carbon disulfide	ug/L	20	19.6	98	51-155	
Carbon tetrachloride	ug/L	20	19.9	99	70-130	
Chlorobenzene	ug/L	20	22.0	110	70-130	
Chloroethane	ug/L	20	19.0	95	59-149	
Chloroform	ug/L	20	20.5	103	70-130	
Chloromethane	ug/L	20	14.3	72	68-130	
cis-1,2-Dichloroethene	ug/L	20	22.0	110	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.8	89	70-130	
Dibromochloromethane	ug/L	20	20.6	103	70-130	

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QUALITY CONTROL DATA

Project: Key West Gas & Electric
Pace Project No.: 35187619

LABORATORY CONTROL SAMPLE: 1215231

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromomethane	ug/L	20	18.7	94	70-130	
Dichlorodifluoromethane	ug/L	20	17.3	87	67-130	
Ethylbenzene	ug/L	20	22.1	110	70-130	
Hexachloro-1,3-butadiene	ug/L	20	24.6	123	70-130	
Iodomethane	ug/L	40	37.4	94	43-160	
Isopropylbenzene (Cumene)	ug/L	20	21.7	108	70-130	
m&p-Xylene	ug/L	40	45.4	114	70-130	
Methyl-tert-butyl ether	ug/L	20	21.9	110	70-130	
Methylene Chloride	ug/L	20	22.1	110	70-130	
n-Butylbenzene	ug/L	20	22.7	114	70-130	
n-Propylbenzene	ug/L	20	23.0	115	70-130	
Naphthalene	ug/L	20	20.6	103	70-141	
o-Xylene	ug/L	20	21.6	108	70-130	
p-Isopropyltoluene	ug/L	20	22.7	114	70-130	
sec-Butylbenzene	ug/L	20	23.0	115	70-130	
Styrene	ug/L	20	21.3	106	70-130	
tert-Butylbenzene	ug/L	20	23.0	115	70-130	
Tetrachloroethene	ug/L	20	21.0	105	66-133	
Toluene	ug/L	20	21.1	105	70-130	
trans-1,2-Dichloroethene	ug/L	20	19.2	96	70-130	
trans-1,3-Dichloropropene	ug/L	20	21.8	109	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	19.7	98	65-130	
Trichloroethene	ug/L	20	18.2	91	70-130	
Trichlorofluoromethane	ug/L	20	20.5	102	70-131	
Vinyl acetate	ug/L	20	19.5	98	69-135	
Vinyl chloride	ug/L	20	18.9	95	69-140	
Xylene (Total)	ug/L	60	67.1	112	70-130	
1,2-Dichloroethane-d4 (S)	%			91	86-125	
4-Bromofluorobenzene (S)	%			100	70-114	
Toluene-d8 (S)	%			93	87-113	

MATRIX SPIKE SAMPLE: 1216296

Parameter	Units	35187422003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	20.7	104	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	19.2	96	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	21.0	105	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	20.2	101	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 U	20	20.6	103	70-130	
1,1-Dichloroethane	ug/L	0.57 I	20	20.2	98	70-130	
1,1-Dichloroethene	ug/L	1.0	20	19.0	90	70-130	
1,1-Dichloropropene	ug/L	0.50 U	20	17.6	88	70-130	
1,2,3-Trichlorobenzene	ug/L	0.50 U	20	20.2	101	70-130	
1,2,3-Trichloropropane	ug/L	0.59 U	20	22.4	112	70-130	
1,2,3-Trimethylbenzene	ug/L	1.0 U	20	17.9	89	70-130	

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QUALITY CONTROL DATA

Project: Key West Gas & Electric
Pace Project No.: 35187619

MATRIX SPIKE SAMPLE: 1216296

Parameter	Units	35187422003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	0.50 U	20	18.9	95	70-130	
1,2,4-Trimethylbenzene	ug/L	0.50 U	20	20.7	103	70-130	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	20	20.6	103	70-130	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	20	19.8	99	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	20.8	104	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	17.6	88	70-130	
1,2-Dichloroethene (Total)	ug/L	1.1	40	40.9	100	70-130	N2
1,2-Dichloropropane	ug/L	0.50 U	20	16.7	83	70-130	
1,3,5-Trimethylbenzene	ug/L	0.50 U	20	20.8	104	70-130	
1,3-Dichlorobenzene	ug/L	0.50 U	20	21.0	105	70-130	
1,3-Dichloropropane	ug/L	0.50 U	20	20.4	102	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	20.0	100	70-130	
2,2-Dichloropropane	ug/L	0.50 U	20	15.3	77	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	33.9	85	70-130	
2-Chloroethylvinyl ether	ug/L	0.50 U	20	0.50 U	0	70-130	J(M1)
2-Chlorotoluene	ug/L	0.50 U	20	21.3	107	70-130	
2-Hexanone	ug/L	5.0 U	40	42.7	107	70-130	
4-Chlorotoluene	ug/L	0.50 U	20	21.3	106	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	43.6	109	70-130	
Acetone	ug/L	10.0 U	40	34.5	82	70-130	
Acetonitrile	ug/L	5.0 U	200	151	76	70-130	
Acrolein	ug/L	10.0 U	200	134	67	70-130	J(M1)
Acrylonitrile	ug/L	5.0 U	200	190	95	70-130	
Benzene	ug/L	0.10 U	20	16.9	85	70-130	
Bromobenzene	ug/L	0.50 U	20	21.4	107	70-130	
Bromochloromethane	ug/L	0.50 U	20	17.1	85	70-130	
Bromodichloromethane	ug/L	0.27 U	20	16.8	84	70-130	
Bromoform	ug/L	0.50 U	20	19.2	96	70-130	
Bromomethane	ug/L	0.50 U	20	14.9	74	70-130	
Carbon disulfide	ug/L	5.0 U	20	19.9	96	70-130	
Carbon tetrachloride	ug/L	0.50 U	20	19.1	95	70-130	
Chlorobenzene	ug/L	0.50 U	20	20.2	101	70-130	
Chloroethane	ug/L	0.50 U	20	19.9	99	70-130	
Chloroform	ug/L	0.50 U	20	17.3	87	70-130	
Chloromethane	ug/L	0.62 U	20	15.2	76	70-130	
cis-1,2-Dichloroethene	ug/L	1.1	20	22.4	107	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	15.3	77	70-130	
Dibromochloromethane	ug/L	0.26 U	20	19.9	100	70-130	
Dibromomethane	ug/L	0.50 U	20	17.3	86	70-130	
Dichlorodifluoromethane	ug/L	0.50 U	20	22.6	113	70-130	
Ethylbenzene	ug/L	0.50 U	20	20.7	104	70-130	
Hexachloro-1,3-butadiene	ug/L	0.40 U	20	20.3	102	70-130	
Iodomethane	ug/L	0.50 U	40	41.3	103	70-130	
Isopropylbenzene (Cumene)	ug/L	0.50 U	20	19.8	99	70-130	
m&p-Xylene	ug/L	0.50 U	40	42.8	107	70-130	
Methyl-tert-butyl ether	ug/L	0.50 U	20	22.4	112	70-130	
Methylene Chloride	ug/L	2.5 U	20	18.9	94	70-130	

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QUALITY CONTROL DATA

Project: Key West Gas & Electric
Pace Project No.: 35187619

MATRIX SPIKE SAMPLE: 1216296

Parameter	Units	35187422003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
n-Butylbenzene	ug/L	0.50 U	20	19.2	96	70-130	
n-Propylbenzene	ug/L	0.50 U	20	21.3	107	70-130	
Naphthalene	ug/L	0.50 U	20	18.5	93	70-130	
o-Xylene	ug/L	0.50 U	20	20.2	101	70-130	
p-Isopropyltoluene	ug/L	0.50 U	20	19.9	99	70-130	
sec-Butylbenzene	ug/L	0.50 U	20	21.0	105	70-130	
Styrene	ug/L	0.50 U	20	17.4	87	70-130	
tert-Butylbenzene	ug/L	0.50 U	20	21.5	108	70-130	
Tetrachloroethene	ug/L	0.50 U	20	19.8	99	70-130	
Toluene	ug/L	0.50 U	20	20.4	102	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	18.5	92	70-130	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	19.7	98	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	16.7	83	70-130	
Trichloroethene	ug/L	3.4	20	20.8	87	70-130	
Trichlorofluoromethane	ug/L	0.50 U	20	25.0	125	70-130	
Vinyl acetate	ug/L	1.0 U	20	16.1	80	70-130	
Vinyl chloride	ug/L	0.50 U	20	24.3	122	70-130	
Xylene (Total)	ug/L	0.50 U	60	63.0	105	70-130	
1,2-Dichloroethane-d4 (S)	%				96	86-125	
4-Bromofluorobenzene (S)	%				99	70-114	
Toluene-d8 (S)	%				91	87-113	

SAMPLE DUPLICATE: 1216295

Parameter	Units	35187422002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	4.8	4.6	3	40	
1,1-Dichloroethene	ug/L	1.3	1.2	12	40	
1,1-Dichloropropene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2,3-Trimethylbenzene	ug/L	1.0 U	1.0 U		40	
1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2,4-Trimethylbenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	1.0 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	0.50 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethene (Total)	ug/L	8.2	8.1	1	40	N2
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,3,5-Trimethylbenzene	ug/L	0.50 U	0.50 U		40	

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QUALITY CONTROL DATA

Project: Key West Gas & Electric
Pace Project No.: 35187619

SAMPLE DUPLICATE: 1216295

Parameter	Units	35187422002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,3-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Chloroethylvinyl ether	ug/L	0.50 U	0.50 U		40	
2-Chlorotoluene	ug/L	0.50 U	0.50 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Chlorotoluene	ug/L	0.50 U	0.50 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acetonitrile	ug/L	5.0 U	5.0 U		40	
Acrolein	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromobenzene	ug/L	0.50 U	0.50 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	7.8	7.7	1	40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Dichlorodifluoromethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Hexachloro-1,3-butadiene	ug/L	0.40 U	0.40 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Isopropylbenzene (Cumene)	ug/L	0.50 U	0.50 U		40	
m&p-Xylene	ug/L	0.50 U	0.50 U		40	
Methyl-tert-butyl ether	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
n-Butylbenzene	ug/L	0.50 U	0.50 U		40	
n-Propylbenzene	ug/L	0.50 U	0.50 U		40	
Naphthalene	ug/L	0.50 U	0.50 U		40	
o-Xylene	ug/L	0.50 U	0.50 U		40	
p-Isopropyltoluene	ug/L	0.50 U	0.50 U		40	
sec-Butylbenzene	ug/L	0.50 U	0.50 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
tert-Butylbenzene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	

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QUALITY CONTROL DATA

Project: Key West Gas & Electric
Pace Project No.: 35187619

SAMPLE DUPLICATE: 1216295

Parameter	Units	35187422002 Result	Dup Result	RPD	Max RPD	Qualifiers
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	26.9	26.0	3	40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane-d4 (S)	%	108	106	1	40	
4-Bromofluorobenzene (S)	%	95	92	3	40	
Toluene-d8 (S)	%	93	90	4	40	

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QUALITY CONTROL DATA

Project: Key West Gas & Electric
Pace Project No.: 35187619

QC Batch: MSV/14895 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 35187619004, 35187619005, 35187619006

METHOD BLANK: 1216323 Matrix: Water
Associated Lab Samples: 35187619004, 35187619005, 35187619006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	1.0	05/17/15 13:36	
1,1,1-Trichloroethane	ug/L	0.50 U	1.0	05/17/15 13:36	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.50	05/17/15 13:36	
1,1,2-Trichloroethane	ug/L	0.50 U	1.0	05/17/15 13:36	
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 U	1.0	05/17/15 13:36	
1,1-Dichloroethane	ug/L	0.50 U	1.0	05/17/15 13:36	
1,1-Dichloroethene	ug/L	0.50 U	1.0	05/17/15 13:36	
1,1-Dichloropropene	ug/L	0.50 U	1.0	05/17/15 13:36	
1,2,3-Trichlorobenzene	ug/L	0.50 U	1.0	05/17/15 13:36	
1,2,3-Trichloropropane	ug/L	0.59 U	1.0	05/17/15 13:36	
1,2,3-Trimethylbenzene	ug/L	1.0 U	1.0	05/17/15 13:36	
1,2,4-Trichlorobenzene	ug/L	0.50 U	1.0	05/17/15 13:36	
1,2,4-Trimethylbenzene	ug/L	0.50 U	1.0	05/17/15 13:36	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	2.0	05/17/15 13:36	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	1.0	05/17/15 13:36	
1,2-Dichlorobenzene	ug/L	0.50 U	1.0	05/17/15 13:36	
1,2-Dichloroethane	ug/L	0.50 U	1.0	05/17/15 13:36	
1,2-Dichloroethene (Total)	ug/L	0.50 U	1.0	05/17/15 13:36	N2
1,2-Dichloropropane	ug/L	0.50 U	1.0	05/17/15 13:36	
1,3,5-Trimethylbenzene	ug/L	0.50 U	1.0	05/17/15 13:36	
1,3-Dichlorobenzene	ug/L	0.50 U	1.0	05/17/15 13:36	
1,3-Dichloropropane	ug/L	0.50 U	1.0	05/17/15 13:36	
1,4-Dichlorobenzene	ug/L	0.50 U	1.0	05/17/15 13:36	
2,2-Dichloropropane	ug/L	0.50 U	1.0	05/17/15 13:36	
2-Butanone (MEK)	ug/L	5.0 U	10.0	05/17/15 13:36	
2-Chloroethylvinyl ether	ug/L	0.50 U	40.0	05/17/15 13:36	
2-Chlorotoluene	ug/L	0.50 U	1.0	05/17/15 13:36	
2-Hexanone	ug/L	5.0 U	10.0	05/17/15 13:36	
4-Chlorotoluene	ug/L	0.50 U	1.0	05/17/15 13:36	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	10.0	05/17/15 13:36	
Acetone	ug/L	10.0 U	20.0	05/17/15 13:36	
Acetonitrile	ug/L	5.0 U	10.0	05/17/15 13:36	
Acrolein	ug/L	10.0 U	20.0	05/17/15 13:36	
Acrylonitrile	ug/L	5.0 U	10.0	05/17/15 13:36	
Benzene	ug/L	0.10 U	1.0	05/17/15 13:36	
Bromobenzene	ug/L	0.50 U	1.0	05/17/15 13:36	
Bromochloromethane	ug/L	0.50 U	1.0	05/17/15 13:36	
Bromodichloromethane	ug/L	0.27 U	0.60	05/17/15 13:36	
Bromoform	ug/L	0.50 U	1.0	05/17/15 13:36	
Bromomethane	ug/L	0.50 U	1.0	05/17/15 13:36	
Carbon disulfide	ug/L	5.0 U	10.0	05/17/15 13:36	

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QUALITY CONTROL DATA

Project: Key West Gas & Electric
Pace Project No.: 35187619

METHOD BLANK: 1216323 Matrix: Water
Associated Lab Samples: 35187619004, 35187619005, 35187619006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Carbon tetrachloride	ug/L	0.50 U	1.0	05/17/15 13:36	
Chlorobenzene	ug/L	0.50 U	1.0	05/17/15 13:36	
Chloroethane	ug/L	0.50 U	1.0	05/17/15 13:36	
Chloroform	ug/L	0.50 U	1.0	05/17/15 13:36	
Chloromethane	ug/L	0.62 U	1.0	05/17/15 13:36	
cis-1,2-Dichloroethene	ug/L	0.50 U	1.0	05/17/15 13:36	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.50	05/17/15 13:36	
Dibromochloromethane	ug/L	0.26 U	0.50	05/17/15 13:36	
Dibromomethane	ug/L	0.50 U	1.0	05/17/15 13:36	
Dichlorodifluoromethane	ug/L	0.50 U	1.0	05/17/15 13:36	
Ethylbenzene	ug/L	0.50 U	1.0	05/17/15 13:36	
Hexachloro-1,3-butadiene	ug/L	0.40 U	1.0	05/17/15 13:36	
Iodomethane	ug/L	0.50 U	1.0	05/17/15 13:36	
Isopropylbenzene (Cumene)	ug/L	0.50 U	1.0	05/17/15 13:36	
m&p-Xylene	ug/L	0.50 U	2.0	05/17/15 13:36	
Methyl-tert-butyl ether	ug/L	0.50 U	1.0	05/17/15 13:36	
Methylene Chloride	ug/L	2.5 U	5.0	05/17/15 13:36	
n-Butylbenzene	ug/L	0.50 U	1.0	05/17/15 13:36	
n-Propylbenzene	ug/L	0.50 U	1.0	05/17/15 13:36	
Naphthalene	ug/L	0.50 U	1.0	05/17/15 13:36	
o-Xylene	ug/L	0.50 U	1.0	05/17/15 13:36	
p-Isopropyltoluene	ug/L	0.50 U	1.0	05/17/15 13:36	
sec-Butylbenzene	ug/L	0.50 U	1.0	05/17/15 13:36	
Styrene	ug/L	0.50 U	1.0	05/17/15 13:36	
tert-Butylbenzene	ug/L	0.50 U	1.0	05/17/15 13:36	
Tetrachloroethene	ug/L	0.50 U	1.0	05/17/15 13:36	
Toluene	ug/L	0.50 U	1.0	05/17/15 13:36	
trans-1,2-Dichloroethene	ug/L	0.50 U	1.0	05/17/15 13:36	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.50	05/17/15 13:36	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	10.0	05/17/15 13:36	
Trichloroethene	ug/L	0.50 U	1.0	05/17/15 13:36	
Trichlorofluoromethane	ug/L	0.50 U	1.0	05/17/15 13:36	
Vinyl acetate	ug/L	1.0 U	2.0	05/17/15 13:36	
Vinyl chloride	ug/L	0.50 U	1.0	05/17/15 13:36	
Xylene (Total)	ug/L	0.50 U	3.0	05/17/15 13:36	
1,2-Dichloroethane-d4 (S)	%	107	86-125	05/17/15 13:36	
4-Bromofluorobenzene (S)	%	95	70-114	05/17/15 13:36	
Toluene-d8 (S)	%	94	87-113	05/17/15 13:36	

LABORATORY CONTROL SAMPLE: 1216324

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.8	99	70-130	
1,1,1-Trichloroethane	ug/L	20	19.7	98	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Key West Gas & Electric
Pace Project No.: 35187619

LABORATORY CONTROL SAMPLE: 1216324

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	20.0	100	70-130	
1,1,2-Trichloroethane	ug/L	20	19.8	99	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	20	20.1	101	70-130	
1,1-Dichloroethane	ug/L	20	19.2	96	70-130	
1,1-Dichloroethene	ug/L	20	19.4	97	70-130	
1,1-Dichloropropene	ug/L	20	18.3	91	70-130	
1,2,3-Trichlorobenzene	ug/L	20	21.2	106	70-137	
1,2,3-Trichloropropane	ug/L	20	20.9	105	70-130	
1,2,3-Trimethylbenzene	ug/L	20	18.4	92	70-135	
1,2,4-Trichlorobenzene	ug/L	20	20.1	100	70-130	
1,2,4-Trimethylbenzene	ug/L	20	20.2	101	70-130	
1,2-Dibromo-3-chloropropane	ug/L	20	19.2	96	64-130	
1,2-Dibromoethane (EDB)	ug/L	20	19.2	96	70-130	
1,2-Dichlorobenzene	ug/L	20	20.0	100	70-130	
1,2-Dichloroethane	ug/L	20	19.2	96	70-130	
1,2-Dichloroethene (Total)	ug/L	40	38.1	95	70-130	N2
1,2-Dichloropropane	ug/L	20	17.5	88	70-130	
1,3,5-Trimethylbenzene	ug/L	20	19.9	99	70-130	
1,3-Dichlorobenzene	ug/L	20	20.6	103	70-130	
1,3-Dichloropropane	ug/L	20	19.6	98	70-130	
1,4-Dichlorobenzene	ug/L	20	19.8	99	70-130	
2,2-Dichloropropane	ug/L	20	21.0	105	70-131	
2-Butanone (MEK)	ug/L	40	33.9	85	55-167	
2-Chloroethylvinyl ether	ug/L	20	18.6 I	93	70-130	
2-Chlorotoluene	ug/L	20	20.1	101	70-130	
2-Hexanone	ug/L	40	36.6	91	65-130	
4-Chlorotoluene	ug/L	20	20.2	101	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	40	39.2	98	70-130	
Acetone	ug/L	40	38.3	96	40-150	
Acetonitrile	ug/L	200	147	74	63-138	
Acrolein	ug/L	200	157	78	44-170	
Acrylonitrile	ug/L	200	178	89	70-130	
Benzene	ug/L	20	18.1	91	70-130	
Bromobenzene	ug/L	20	20.1	100	70-130	
Bromochloromethane	ug/L	20	18.5	93	70-130	
Bromodichloromethane	ug/L	20	18.8	94	70-130	
Bromoform	ug/L	20	19.8	99	68-130	
Bromomethane	ug/L	20	15.9	80	38-179	
Carbon disulfide	ug/L	20	16.9	84	51-155	
Carbon tetrachloride	ug/L	20	19.8	99	70-130	
Chlorobenzene	ug/L	20	19.6	98	70-130	
Chloroethane	ug/L	20	17.7	88	59-149	
Chloroform	ug/L	20	18.6	93	70-130	
Chloromethane	ug/L	20	17.7	89	68-130	
cis-1,2-Dichloroethene	ug/L	20	18.1	91	70-130	
cis-1,3-Dichloropropene	ug/L	20	17.8	89	70-130	
Dibromochloromethane	ug/L	20	19.7	98	70-130	

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QUALITY CONTROL DATA

Project: Key West Gas & Electric
Pace Project No.: 35187619

LABORATORY CONTROL SAMPLE: 1216324

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromomethane	ug/L	20	18.7	93	70-130	
Dichlorodifluoromethane	ug/L	20	19.1	96	67-130	
Ethylbenzene	ug/L	20	20.0	100	70-130	
Hexachloro-1,3-butadiene	ug/L	20	23.3	116	70-130	
Iodomethane	ug/L	40	41.5	104	43-160	
Isopropylbenzene (Cumene)	ug/L	20	19.7	98	70-130	
m&p-Xylene	ug/L	40	41.0	103	70-130	
Methyl-tert-butyl ether	ug/L	20	21.8	109	70-130	
Methylene Chloride	ug/L	20	22.2	111	70-130	
n-Butylbenzene	ug/L	20	20.6	103	70-130	
n-Propylbenzene	ug/L	20	20.2	101	70-130	
Naphthalene	ug/L	20	18.2	91	70-141	
o-Xylene	ug/L	20	19.6	98	70-130	
p-Isopropyltoluene	ug/L	20	20.2	101	70-130	
sec-Butylbenzene	ug/L	20	20.2	101	70-130	
Styrene	ug/L	20	19.2	96	70-130	
tert-Butylbenzene	ug/L	20	20.2	101	70-130	
Tetrachloroethene	ug/L	20	19.0	95	66-133	
Toluene	ug/L	20	19.3	96	70-130	
trans-1,2-Dichloroethene	ug/L	20	20.0	100	70-130	
trans-1,3-Dichloropropene	ug/L	20	19.8	99	70-130	
trans-1,4-Dichloro-2-butene	ug/L	20	16.0	80	65-130	
Trichloroethene	ug/L	20	18.7	94	70-130	
Trichlorofluoromethane	ug/L	20	21.4	107	70-131	
Vinyl acetate	ug/L	20	19.2	96	69-135	
Vinyl chloride	ug/L	20	22.5	113	69-140	
Xylene (Total)	ug/L	60	60.6	101	70-130	
1,2-Dichloroethane-d4 (S)	%			95	86-125	
4-Bromofluorobenzene (S)	%			102	70-114	
Toluene-d8 (S)	%			97	87-113	

MATRIX SPIKE SAMPLE: 1216919

Parameter	Units	35186684002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	20	21.3	107	70-130	
1,1,1-Trichloroethane	ug/L	0.50 U	20	22.1	111	70-130	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	20	19.4	97	70-130	
1,1,2-Trichloroethane	ug/L	0.50 U	20	19.9	100	70-130	
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 U	20	23.0	115	70-130	
1,1-Dichloroethane	ug/L	0.50 U	20	20.3	102	70-130	
1,1-Dichloroethene	ug/L	0.50 U	20	20.3	101	70-130	
1,1-Dichloropropene	ug/L	0.50 U	20	19.7	98	70-130	
1,2,3-Trichlorobenzene	ug/L	0.50 U	20	19.5	97	70-130	
1,2,3-Trichloropropane	ug/L	0.59 U	20	20.8	104	70-130	
1,2,3-Trimethylbenzene	ug/L	1.0 U	20	20.2	101	70-130	

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QUALITY CONTROL DATA

Project: Key West Gas & Electric
Pace Project No.: 35187619

MATRIX SPIKE SAMPLE: 1216919

Parameter	Units	35186684002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	0.50 U	20	18.1	90	70-130	
1,2,4-Trimethylbenzene	ug/L	0.50 U	20	19.9	100	70-130	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	20	17.8	89	70-130	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	20	19.5	98	70-130	
1,2-Dichlorobenzene	ug/L	0.50 U	20	19.6	98	70-130	
1,2-Dichloroethane	ug/L	0.50 U	20	19.9	100	70-130	
1,2-Dichloroethene (Total)	ug/L	0.50 U	40	38.2	95	70-130	N2
1,2-Dichloropropane	ug/L	0.50 U	20	18.4	92	70-130	
1,3,5-Trimethylbenzene	ug/L	0.50 U	20	20.1	101	70-130	
1,3-Dichlorobenzene	ug/L	0.50 U	20	20.4	102	70-130	
1,3-Dichloropropane	ug/L	0.50 U	20	19.9	99	70-130	
1,4-Dichlorobenzene	ug/L	0.50 U	20	19.1	95	70-130	
2,2-Dichloropropane	ug/L	0.50 U	20	19.9	99	70-130	
2-Butanone (MEK)	ug/L	5.0 U	40	33.5	84	70-130	
2-Chloroethylvinyl ether	ug/L	0.50 U	20	0.50 U	0	70-130	J(M1)
2-Chlorotoluene	ug/L	0.50 U	20	20.2	101	70-130	
2-Hexanone	ug/L	5.0 U	40	39.6	99	70-130	
4-Chlorotoluene	ug/L	0.50 U	20	20.5	102	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	40	40.1	100	70-130	
Acetone	ug/L	10.0 U	40	35.6	89	70-130	
Acetonitrile	ug/L	5.0 U	200	148	74	70-130	
Acrolein	ug/L	10.0 U	200	132	66	70-130	J(M1)
Acrylonitrile	ug/L	5.0 U	200	173	87	70-130	
Benzene	ug/L	0.10 U	20	18.8	94	70-130	
Bromobenzene	ug/L	0.50 U	20	17.7	88	70-130	
Bromochloromethane	ug/L	0.50 U	20	19.5	97	70-130	
Bromodichloromethane	ug/L	0.27 U	20	19.6	98	70-130	
Bromoform	ug/L	0.50 U	20	19.5	97	70-130	
Bromomethane	ug/L	0.50 U	20	13.4	67	70-130	J(M1)
Carbon disulfide	ug/L	5.0 U	20	20.7	101	70-130	
Carbon tetrachloride	ug/L	0.50 U	20	21.5	107	70-130	
Chlorobenzene	ug/L	0.50 U	20	20.8	104	70-130	
Chloroethane	ug/L	0.50 U	20	18.8	94	70-130	
Chloroform	ug/L	0.50 U	20	19.8	99	70-130	
Chloromethane	ug/L	0.62 U	20	14.4	72	70-130	
cis-1,2-Dichloroethene	ug/L	0.50 U	20	19.6	98	70-130	
cis-1,3-Dichloropropene	ug/L	0.25 U	20	16.8	84	70-130	
Dibromochloromethane	ug/L	0.26 U	20	19.8	99	70-130	
Dibromomethane	ug/L	0.50 U	20	19.1	96	70-130	
Dichlorodifluoromethane	ug/L	0.50 U	20	19.4	97	70-130	
Ethylbenzene	ug/L	0.50 U	20	21.4	107	70-130	
Hexachloro-1,3-butadiene	ug/L	0.40 U	20	21.7	109	70-130	
Iodomethane	ug/L	0.50 U	40	39.8	100	70-130	
Isopropylbenzene (Cumene)	ug/L	0.50 U	20	20.9	104	70-130	
m&p-Xylene	ug/L	0.50 U	40	43.5	109	70-130	
Methyl-tert-butyl ether	ug/L	0.50 U	20	21.0	105	70-130	
Methylene Chloride	ug/L	2.5 U	20	19.1	96	70-130	

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QUALITY CONTROL DATA

Project: Key West Gas & Electric
Pace Project No.: 35187619

MATRIX SPIKE SAMPLE: 1216919

Parameter	Units	35186684002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
n-Butylbenzene	ug/L	0.50 U	20	20.1	100	70-130	
n-Propylbenzene	ug/L	0.50 U	20	20.6	103	70-130	
Naphthalene	ug/L	0.50 U	20	16.4	82	70-130	
o-Xylene	ug/L	0.50 U	20	20.2	101	70-130	
p-Isopropyltoluene	ug/L	0.50 U	20	19.8	99	70-130	
sec-Butylbenzene	ug/L	0.50 U	20	20.3	101	70-130	
Styrene	ug/L	0.50 U	20	19.7	99	70-130	
tert-Butylbenzene	ug/L	0.50 U	20	20.0	100	70-130	
Tetrachloroethene	ug/L	0.50 U	20	21.2	106	70-130	
Toluene	ug/L	0.50 U	20	20.4	102	70-130	
trans-1,2-Dichloroethene	ug/L	0.50 U	20	18.6	93	70-130	
trans-1,3-Dichloropropene	ug/L	0.25 U	20	20.2	101	70-130	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	20	16.1	81	70-130	
Trichloroethene	ug/L	0.50 U	20	19.8	99	70-130	
Trichlorofluoromethane	ug/L	0.50 U	20	23.7	119	70-130	
Vinyl acetate	ug/L	1.0 U	20	16.9	84	70-130	
Vinyl chloride	ug/L	0.50 U	20	22.8	114	70-130	
Xylene (Total)	ug/L	0.50 U	60	63.7	106	70-130	
1,2-Dichloroethane-d4 (S)	%				99	86-125	
4-Bromofluorobenzene (S)	%				101	70-114	
Toluene-d8 (S)	%				96	87-113	

SAMPLE DUPLICATE: 1216918

Parameter	Units	35186684001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50 U	0.50 U		40	
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2,2-Tetrachloroethane	ug/L	0.12 U	0.12 U		40	
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U		40	
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,1-Dichloroethene	ug/L	0.50 U	0.50 U		40	
1,1-Dichloropropene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2,3-Trichloropropane	ug/L	0.59 U	0.59 U		40	
1,2,3-Trimethylbenzene	ug/L	1.0 U	1.0 U		40	
1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2,4-Trimethylbenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dibromo-3-chloropropane	ug/L	1.0 U	1.0 U		40	
1,2-Dibromoethane (EDB)	ug/L	0.50 U	0.50 U		40	
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethene (Total)	ug/L	0.50 U	0.50 U		40	N2
1,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,3,5-Trimethylbenzene	ug/L	0.50 U	0.50 U		40	

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QUALITY CONTROL DATA

Project: Key West Gas & Electric
Pace Project No.: 35187619

SAMPLE DUPLICATE: 1216918

Parameter	Units	35186684001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
1,3-Dichloropropane	ug/L	0.50 U	0.50 U		40	
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U		40	
2,2-Dichloropropane	ug/L	0.50 U	0.50 U		40	
2-Butanone (MEK)	ug/L	5.0 U	5.0 U		40	
2-Chloroethylvinyl ether	ug/L	0.50 U	0.50 U		40	
2-Chlorotoluene	ug/L	0.50 U	0.50 U		40	
2-Hexanone	ug/L	5.0 U	5.0 U		40	
4-Chlorotoluene	ug/L	0.50 U	0.50 U		40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0 U	5.0 U		40	
Acetone	ug/L	10.0 U	10.0 U		40	
Acetonitrile	ug/L	5.0 U	5.0 U		40	
Acrolein	ug/L	10.0 U	10.0 U		40	
Acrylonitrile	ug/L	5.0 U	5.0 U		40	
Benzene	ug/L	0.10 U	0.10 U		40	
Bromobenzene	ug/L	0.50 U	0.50 U		40	
Bromochloromethane	ug/L	0.50 U	0.50 U		40	
Bromodichloromethane	ug/L	0.27 U	0.27 U		40	
Bromoform	ug/L	0.50 U	0.50 U		40	
Bromomethane	ug/L	0.50 U	0.50 U		40	
Carbon disulfide	ug/L	5.0 U	5.0 U		40	
Carbon tetrachloride	ug/L	0.50 U	0.50 U		40	
Chlorobenzene	ug/L	0.50 U	0.50 U		40	
Chloroethane	ug/L	0.50 U	0.50 U		40	
Chloroform	ug/L	0.50 U	0.50 U		40	
Chloromethane	ug/L	0.62 U	0.62 U		40	
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
cis-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
Dibromochloromethane	ug/L	0.26 U	0.26 U		40	
Dibromomethane	ug/L	0.50 U	0.50 U		40	
Dichlorodifluoromethane	ug/L	0.50 U	0.50 U		40	
Ethylbenzene	ug/L	0.50 U	0.50 U		40	
Hexachloro-1,3-butadiene	ug/L	0.40 U	0.40 U		40	
Iodomethane	ug/L	0.50 U	0.50 U		40	
Isopropylbenzene (Cumene)	ug/L	0.50 U	0.50 U		40	
m&p-Xylene	ug/L	0.50 U	0.50 U		40	
Methyl-tert-butyl ether	ug/L	0.50 U	0.50 U		40	
Methylene Chloride	ug/L	2.5 U	2.5 U		40	
n-Butylbenzene	ug/L	0.50 U	0.50 U		40	
n-Propylbenzene	ug/L	0.50 U	0.50 U		40	
Naphthalene	ug/L	0.50 U	0.50 U		40	
o-Xylene	ug/L	0.50 U	0.50 U		40	
p-Isopropyltoluene	ug/L	0.50 U	0.50 U		40	
sec-Butylbenzene	ug/L	0.50 U	0.50 U		40	
Styrene	ug/L	0.50 U	0.50 U		40	
tert-Butylbenzene	ug/L	0.50 U	0.50 U		40	
Tetrachloroethene	ug/L	0.50 U	0.50 U		40	

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Pompano Beach, FL 33064
954-582-4300

QUALITY CONTROL DATA

Project: Key West Gas & Electric
Pace Project No.: 35187619

SAMPLE DUPLICATE: 1216918

Parameter	Units	35186684001 Result	Dup Result	RPD	Max RPD	Qualifiers
Toluene	ug/L	0.50 U	0.50 U		40	
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U		40	
trans-1,3-Dichloropropene	ug/L	0.25 U	0.25 U		40	
trans-1,4-Dichloro-2-butene	ug/L	5.0 U	5.0 U		40	
Trichloroethene	ug/L	0.50 U	0.50 U		40	
Trichlorofluoromethane	ug/L	0.50 U	0.50 U		40	
Vinyl acetate	ug/L	1.0 U	1.0 U		40	
Vinyl chloride	ug/L	0.50 U	0.50 U		40	
Xylene (Total)	ug/L	0.50 U	0.50 U		40	
1,2-Dichloroethane-d4 (S)	%	110	117	6	40	
4-Bromofluorobenzene (S)	%	97	97	1	40	
Toluene-d8 (S)	%	94	97	3	40	

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QUALITY CONTROL DATA

Project: Key West Gas & Electric
Pace Project No.: 35187619

QC Batch: OEXT/22330 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAHLV by SIM MSSV
Associated Lab Samples: 35187619002, 35187619003, 35187619004, 35187619005, 35187619006, 35187619007, 35187619008

METHOD BLANK: 1210376 Matrix: Water
Associated Lab Samples: 35187619002, 35187619003, 35187619004, 35187619005, 35187619006, 35187619007, 35187619008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	1.0 U	2.0	05/14/15 11:41	
2-Methylnaphthalene	ug/L	1.0 U	2.0	05/14/15 11:41	
Acenaphthene	ug/L	0.025 U	0.10	05/14/15 11:41	
Acenaphthylene	ug/L	0.025 U	0.10	05/14/15 11:41	
Anthracene	ug/L	0.025 U	0.10	05/14/15 11:41	
Benzo(a)anthracene	ug/L	0.025 U	0.10	05/14/15 11:41	
Benzo(a)pyrene	ug/L	0.029 I	0.10	05/14/15 11:41	
Benzo(b)fluoranthene	ug/L	0.025 U	0.10	05/14/15 11:41	
Benzo(g,h,i)perylene	ug/L	0.13	0.10	05/14/15 11:41	
Benzo(k)fluoranthene	ug/L	0.025 U	0.10	05/14/15 11:41	
Chrysene	ug/L	0.025 U	0.10	05/14/15 11:41	
Dibenz(a,h)anthracene	ug/L	0.12	0.10	05/14/15 11:41	
Fluoranthene	ug/L	0.025 U	0.10	05/14/15 11:41	
Fluorene	ug/L	0.025 U	0.10	05/14/15 11:41	
Indeno(1,2,3-cd)pyrene	ug/L	0.12	0.10	05/14/15 11:41	
Naphthalene	ug/L	1.0 U	2.0	05/14/15 11:41	
Phenanthrene	ug/L	0.025 U	0.10	05/14/15 11:41	
Pyrene	ug/L	0.025 U	0.10	05/14/15 11:41	
2-Fluorobiphenyl (S)	%	70	18-110	05/14/15 11:41	
Terphenyl-d14 (S)	%	80	18-123	05/14/15 11:41	

LABORATORY CONTROL SAMPLE: 1210377

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	5	3.6	71	21-133	
2-Methylnaphthalene	ug/L	5	2.8	56	21-133	
Acenaphthene	ug/L	5	2.5	50	47-145	
Acenaphthylene	ug/L	5	3.4	67	33-145	
Anthracene	ug/L	5	3.4	69	27-133	
Benzo(a)anthracene	ug/L	5	3.5	70	33-143	
Benzo(a)pyrene	ug/L	5	3.5	69	17-163	
Benzo(b)fluoranthene	ug/L	5	4.4	88	24-159	
Benzo(g,h,i)perylene	ug/L	5	3.0	60	10-219	
Benzo(k)fluoranthene	ug/L	5	3.2	64	11-162	
Chrysene	ug/L	5	3.3	66	17-168	
Dibenz(a,h)anthracene	ug/L	5	2.7	53	10-227	
Fluoranthene	ug/L	5	3.9	77	26-137	
Fluorene	ug/L	5	3.5	71	59-130	
Indeno(1,2,3-cd)pyrene	ug/L	5	2.9	58	10-171	
Naphthalene	ug/L	5	3.1	63	21-133	

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QUALITY CONTROL DATA

Project: Key West Gas & Electric
Pace Project No.: 35187619

LABORATORY CONTROL SAMPLE: 1210377

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	5	3.4	69	54-130	
Pyrene	ug/L	5	3.9	79	52-130	
2-Fluorobiphenyl (S)	%			74	18-110	
Terphenyl-d14 (S)	%			76	18-123	

MATRIX SPIKE SAMPLE: 1210527

Parameter	Units	35187617007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	14.9	5	18.5	74	21-133	
2-Methylnaphthalene	ug/L	2.6	5	6.0	68	21-133	
Acenaphthene	ug/L	4.1	5	7.9	77	47-145	
Acenaphthylene	ug/L	1.0	5	4.4	68	33-145	
Anthracene	ug/L	0.025 U	5	4.2	83	27-133	
Benzo(a)anthracene	ug/L	0.025 U	5	4.2	83	33-143	
Benzo(a)pyrene	ug/L	0.025 U	5	4.2	84	17-163	
Benzo(b)fluoranthene	ug/L	0.025 U	5	4.5	91	24-159	
Benzo(g,h,i)perylene	ug/L	0.025 U	5	4.1	82	10-219	
Benzo(k)fluoranthene	ug/L	0.025 U	5	3.9	77	11-162	
Chrysene	ug/L	0.025 U	5	3.2	65	17-168	
Dibenz(a,h)anthracene	ug/L	0.025 U	5	3.9	79	10-227	
Fluoranthene	ug/L	0.051 I	5	4.4	86	26-137	
Fluorene	ug/L	6.6	5	10	68	59-130	
Indeno(1,2,3-cd)pyrene	ug/L	0.025 U	5	4.1	82	10-171	
Naphthalene	ug/L	15.4	5	18.3	57	21-133	
Phenanthrene	ug/L	6.7	5	10.6	79	54-130	
Pyrene	ug/L	0.14	5	4.5	87	52-130	
2-Fluorobiphenyl (S)	%				72	18-110	
Terphenyl-d14 (S)	%				82	18-123	

SAMPLE DUPLICATE: 1210528

Parameter	Units	35187619002 Result	Dup Result	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	33.0	35.7	8	40	
2-Methylnaphthalene	ug/L	9.9	10.9	10	40	
Acenaphthene	ug/L	3.8	4.3	11	40	
Acenaphthylene	ug/L	5.5	6.0	9	40	
Anthracene	ug/L	2.0	2.3	13	40	
Benzo(a)anthracene	ug/L	0.079 I	0.025 U		40	
Benzo(a)pyrene	ug/L	0.95	0.10	162	40	J(D6)
Benzo(b)fluoranthene	ug/L	0.94	0.13	151	40	J(D6)
Benzo(g,h,i)perylene	ug/L	1.8	0.025 U		40	
Benzo(k)fluoranthene	ug/L	0.58	0.025 U		40	
Chrysene	ug/L	0.025 U	0.025 U		40	
Dibenz(a,h)anthracene	ug/L	1.9	0.025 U		40	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Key West Gas & Electric
Pace Project No.: 35187619

SAMPLE DUPLICATE: 1210528

Parameter	Units	35187619002 Result	Dup Result	RPD	Max RPD	Qualifiers
Fluoranthene	ug/L	1.6	1.6	1	40	
Fluorene	ug/L	5.1	5.4	6	40	
Indeno(1,2,3-cd)pyrene	ug/L	1.9	0.025 U		40	
Naphthalene	ug/L	31.0	33.7	8	40	
Phenanthrene	ug/L	13.6	14.3	6	40	
Pyrene	ug/L	3.7	3.7	0	40	
2-Fluorobiphenyl (S)	%	65	75	14		
Terphenyl-d14 (S)	%	74	82	10		

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QUALITY CONTROL DATA

Project: Key West Gas & Electric
Pace Project No.: 35187619

QC Batch: OEXT/22405
QC Batch Method: EPA 3510
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 Water PAHLV by SIM MSSV
Associated Lab Samples: 35187619004

METHOD BLANK: 1215430
Matrix: Water
Associated Lab Samples: 35187619004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzo(a)pyrene	ug/L	0.025 U	0.10	05/17/15 12:18	
Benzo(g,h,i)perylene	ug/L	0.025 U	0.10	05/17/15 12:18	
Dibenz(a,h)anthracene	ug/L	0.025 U	0.10	05/17/15 12:18	
Indeno(1,2,3-cd)pyrene	ug/L	0.025 U	0.10	05/17/15 12:18	
2-Fluorobiphenyl (S)	%	92	18-110	05/17/15 12:18	
Terphenyl-d14 (S)	%	90	18-123	05/17/15 12:18	

LABORATORY CONTROL SAMPLE: 1215431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzo(a)pyrene	ug/L	5	3.0	60	17-163	
Benzo(g,h,i)perylene	ug/L	5	2.9	59	10-219	
Dibenz(a,h)anthracene	ug/L	5	2.1	43	10-227	
Indeno(1,2,3-cd)pyrene	ug/L	5	2.6	52	10-171	
2-Fluorobiphenyl (S)	%			87	18-110	
Terphenyl-d14 (S)	%			84	18-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1215989 1215990

Parameter	Units	92250199001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzo(a)pyrene	ug/L	ND	5	5	3.3	6.5	66	131	17-163	65	40	J(R1)
Benzo(g,h,i)perylene	ug/L	ND	5	5	3.0	5.8	61	116	10-219	62	40	J(R1)
Dibenz(a,h)anthracene	ug/L	ND	5	5	2.8	5.3	57	106	10-227	60	40	J(R1)
Indeno(1,2,3-cd)pyrene	ug/L	ND	5	5	3.1	5.8	62	115	10-171	61	40	J(R1)
2-Fluorobiphenyl (S)	%						68	150	18-110			J(S0)
Terphenyl-d14 (S)	%						80	170	18-123			J(S0)

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954-582-4300

QUALIFIERS

Project: Key West Gas & Electric
Pace Project No.: 35187619

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.
1p	Re-extraction or re-analysis could not be performed within method holding time.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
J(R1)	Estimated Value. RPD value was outside control limits.
J(S0)	Estimated Value. Surrogate recovery outside laboratory control limits.
N2	The lab does not hold TNI accreditation for this parameter.
Q	Sample held beyond the accepted holding time.
V	Indicates that the analyte was detected in both the sample and the associated method blank.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Key West Gas & Electric
Pace Project No.: 35187619

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35187619002	**PMW-1**	EPA 3510	OEXT/22330	EPA 8270 by SIM	MSSV/7785
35187619003	**PMW-2**	EPA 3510	OEXT/22330	EPA 8270 by SIM	MSSV/7785
35187619004	**PMW-3**	EPA 3510	OEXT/22330	EPA 8270 by SIM	MSSV/7785
35187619004	**PMW-3**	EPA 3510	OEXT/22405	EPA 8270 by SIM	MSSV/7797
35187619005	**PMW-4**	EPA 3510	OEXT/22330	EPA 8270 by SIM	MSSV/7785
35187619006	**PMW-5**	EPA 3510	OEXT/22330	EPA 8270 by SIM	MSSV/7785
35187619007	**PMW-6**	EPA 3510	OEXT/22330	EPA 8270 by SIM	MSSV/7785
35187619008	**PMW-7**	EPA 3510	OEXT/22330	EPA 8270 by SIM	MSSV/7785
35187619001	**Trip Blank**	EPA 8260	MSV/14878		
35187619002	**PMW-1**	EPA 8260	MSV/14878		
35187619003	**PMW-2**	EPA 8260	MSV/14878		
35187619004	**PMW-3**	EPA 8260	MSV/14895		
35187619005	**PMW-4**	EPA 8260	MSV/14895		
35187619006	**PMW-5**	EPA 8260	MSV/14895		
35187619007	**PMW-6**	EPA 8260	MSV/14878		
35187619008	**PMW-7**	EPA 8260	MSV/14878		

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WO# : 35187619

35187619

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page : 1 Of 1

Section A
Required Client Information:

Company:	PM Environmental
Address:	2131 Hollywood Blvd, Ste 503
Hollywood, FL 33020	
Email:	chinfatt@pmenv.com
Phone:	(305)898-1825 Fax:
Requested Due Date:	

Required Project Information:

Report To:	Candace Chin Fatt
Copy To:	
Purchase Order #:	
Project Name:	Key West Gas & Electric
Project #:	06-3668-4

Section C
Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	christina.raschke@pacelabs.com,
Pace Profile #:	4039-2

Regulatory Agency
State / Location
FL

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	8260 VOCs	PAH by 8270 SIM (low vol)	Residual Chlorine (Y/N)
1	Trip Blank	WT							1				1						X		
2	PMCO-1	WT	G	5/7	850				4	1			3						X	X	
3	PMCO-2				935				4	1			3						X	X	
4	PMCO-3				1040				4	1			3						X	X	
5	PMCO-4				1120				4	1			3						X	X	
6	PMCO-5				1225				4	1			3						X	X	
7	PMCO-6				1355				4	1			3						X	X	
8	PMCO-7				1430				4	1			3						X	X	
9																					
10																					
11																					
12																					

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

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	C. Chin Fatt / PM	5/8/15	1215		5/8/15	1215
		5/8/15	1815	TDH PACE	5/9/15	0900

SAMPLE CONDITIONS			
-03	Y	N	
T1			
TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Candace Chin Fatt

SIGNATURE of SAMPLER: C. Chin Fatt DATE Signed: 5/7/15

Pace Analytical Florida Laboratory	Document Name: Sample Condition Upon Receipt Form	Document Revised: August 11, 2014
	Document No.: F-FL-C-007 rev. 06	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: PM **Project #** 35187619

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

Tracking # _____

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

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

Thermometer Used T198 **Type of Ice:** (Wet) Blue None

Cooler Temperature°C -0.3 (Visual) 0 (Correction Factor) -0.3 (Actual)

Date and Initials of person examining contents: 5/9/15 TH

(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): Trip Blank is not on COC. TH 5/9/15

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: _____