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## SURFACE WATER SAMPLING REPORT

101-111 Geraldine Street | Key West, Florida  
PM Project Number 06-3668-5

*Prepared for:*

**Keys Energy Services**  
1001 James Street  
Key West, Florida 33041

*Prepared by:*

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

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July 22, 2014

Mr. Stanley Rzad  
Keys Energy Services  
1001 James Street  
Key West, Florida 33041-6100

**Re: Surface Water Sampling 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. 06-3668-5**

Dear Mr. Rzad:

PM Environmental, Inc. (PM) is pleased to present this letter report for the surface water sampling activities conducted at the Former Key West Gas and Electric Company located at 101-111 Geraldine Street in Key West, Florida (hereafter referred to as the "subject property"). This letter report summarizes the site activities conducted by PM along with the sample analytical results.

**THIS LETTER REPORT WAS COMPLETED FOR THE EXCLUSIVE USE OF KEYS ENERGY SERVICES, WHO MAY RELY ON ITS CONTENTS AND CONCLUSIONS.**

### **SITE DESCRIPTION AND PROJECT BACKGROUND**

The subject property consists of eight parcels containing approximately 0.78 acres. The subject property is developed with three buildings which consist of a 13,300 square foot main building, a 459 square foot blacksmith shop, and a 945 square foot machine shop. Standard and other historical sources were able to document that the first developed use of the subject property occurred in 1884, at which time the property was developed as a manufactured gas plant that operated until 1889. The property operated as an electrical power plant in approximately 1890 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. The historical generators are located within the main building and are surrounded by concrete lined pits. The concrete lined pits were observed filled with water. The use of the pits and the source of the water is unknown. Each pit measured approximately 40 feet by 14 feet and the depths ranged from approximately 2 to 8 feet deep. Refer to Figure 1 for the location of the subject property and Figure 2 for a generalized diagram of the subject property and adjoining properties.

Keys Energy Services, "the client", is currently in the process of expanding the current substation at the above-referenced property and has proposed plans for redevelopment. Prior to redevelopment, they intend to remove and properly dispose of any potentially hazardous substances and materials at the subject property in accordance with the State guidelines and regulations. Therefore, PM was contracted to sample the standing water located in the pits surrounding the historical generators.

## **SURFACE WATER SAMPLING ACTIVITIES**

On March 18, 2014, PM collected four surface samples (SW-1 through SW-4) from the existing concrete-lined pits surrounding the former generators. The surface water samples were collected using the grab technique via double-check valve bailers in accordance with the Florida Department of Environmental Protection (FDEP) Standard Operating Procedures (SOP) 001/01 FS2100 Surface Water Sampling. The surface water samples were submitted to Pace Analytical Services, Inc. in Pompano Beach, FL for analysis of volatile organic compounds (VOCs) by U.S. Environmental Protection Agency (EPA) Method 8260, polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8270, and total recoverable petroleum hydrocarbons by Florida Residual Petroleum Range Organic (FL-PRO) Method.

## **ANALYTICAL RESULTS**

For disposal purposes, the surface water analytical results were compared to the Florida Department of Environmental Protection's (FDEP's) Groundwater Cleanup Target Levels (GCTL) as set forth in Chapter 62-777, Florida Administrative Code (FAC). The surface water analytical results are summarized in Table 1 and depicted on Figure 3. Appendix A contains the laboratory analytical report.

The surface water analytical results did not identify concentrations of VOCs above the laboratory method detection limits (MDLs).

A concentration of PAH analyte phenanthrene was detected in the surface water sample collected at SW-1 above the laboratory MDL, but below the FDEP GCTL. No other concentrations of PAHs were detected in the surface water samples collected.

Concentrations of TRPHs were detected in the surface water samples collected at SW-1, SW-3, and SW-4 above the laboratory MDLs, but below the FDEP GCTL. No other concentrations of TRPHs were detected in the remaining surface water samples collected.

## **CONCLUSION**

Based upon the analytical results of the surface water samples, the standing water contained in the concrete-lined pits surrounding the former generators does not appear to be hazardous. Therefore, no further investigation of the standing water in the historical generator pits is recommended at this time. PM can provide disposal costs for the standing water should they be requested.

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

Sincerely,  
**PM ENVIRONMENTAL, INC.**



Candace E. Chin Fatt  
Project Manager



Jennifer L. Ritchie, C.P.G  
Regional Manager



Elliot J. Nightingale, P.G.  
Senior Consultant

## **FIGURES**

- Figure 1: Site Location Map  
Figure 2: Generalized Diagram of the Subject Property and Adjoining Properties  
Figure 3: Generalized Diagram of the Subject Property and Adjoining Properties with Surface Water Analytical Results

## **TABLES**

- Table 1: Summary of Surface Water Analytical Results – Volatile Organic Compounds, Polynuclear Aromatic Hydrocarbons and Total Recoverable Petroleum Hydrocarbons

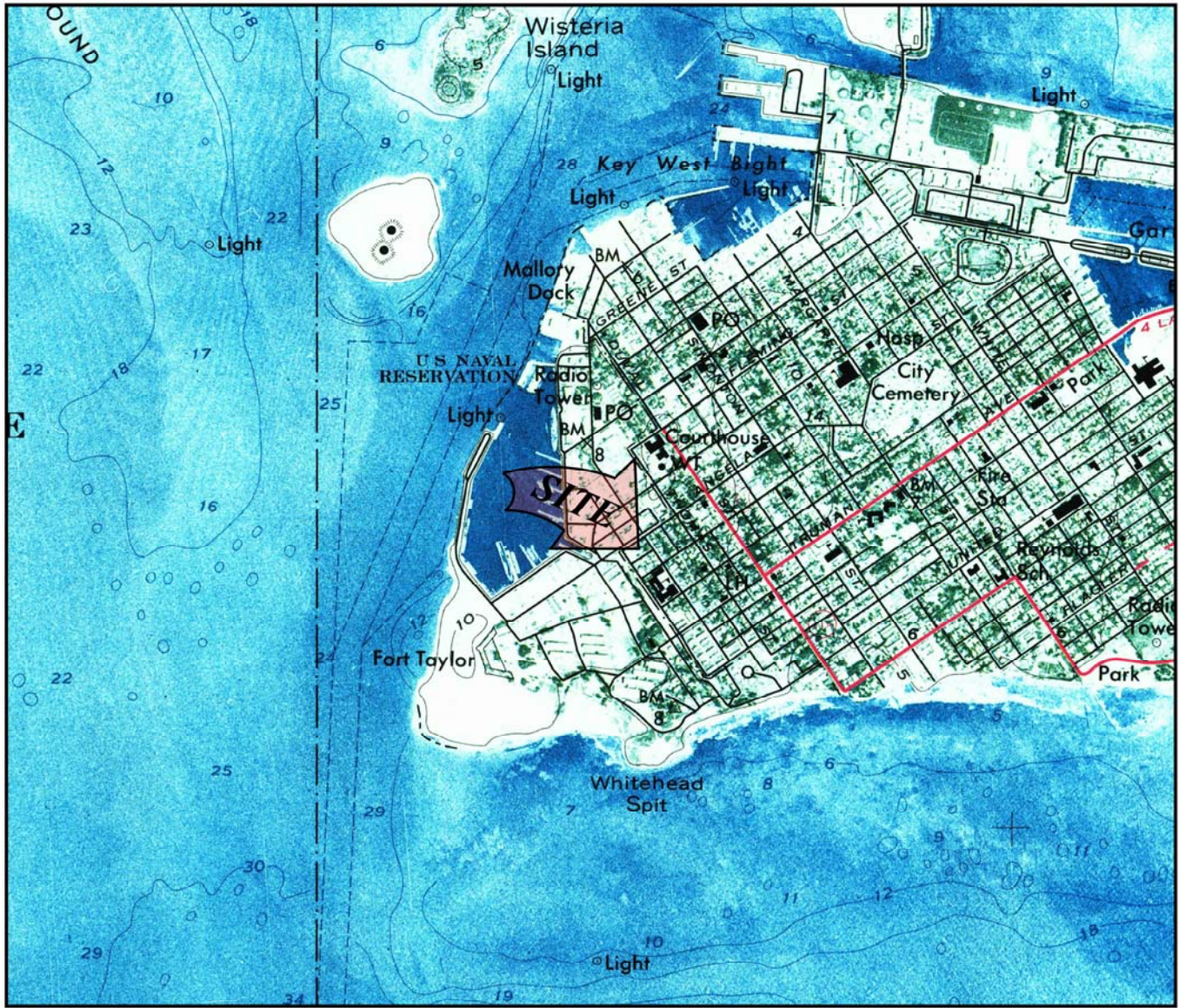
## **APPENDICES**

- Appendix A: Laboratory Analytical Report

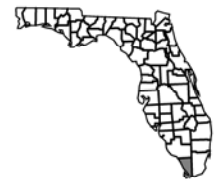
# Figures







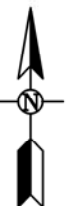
# MONROE COUNTY



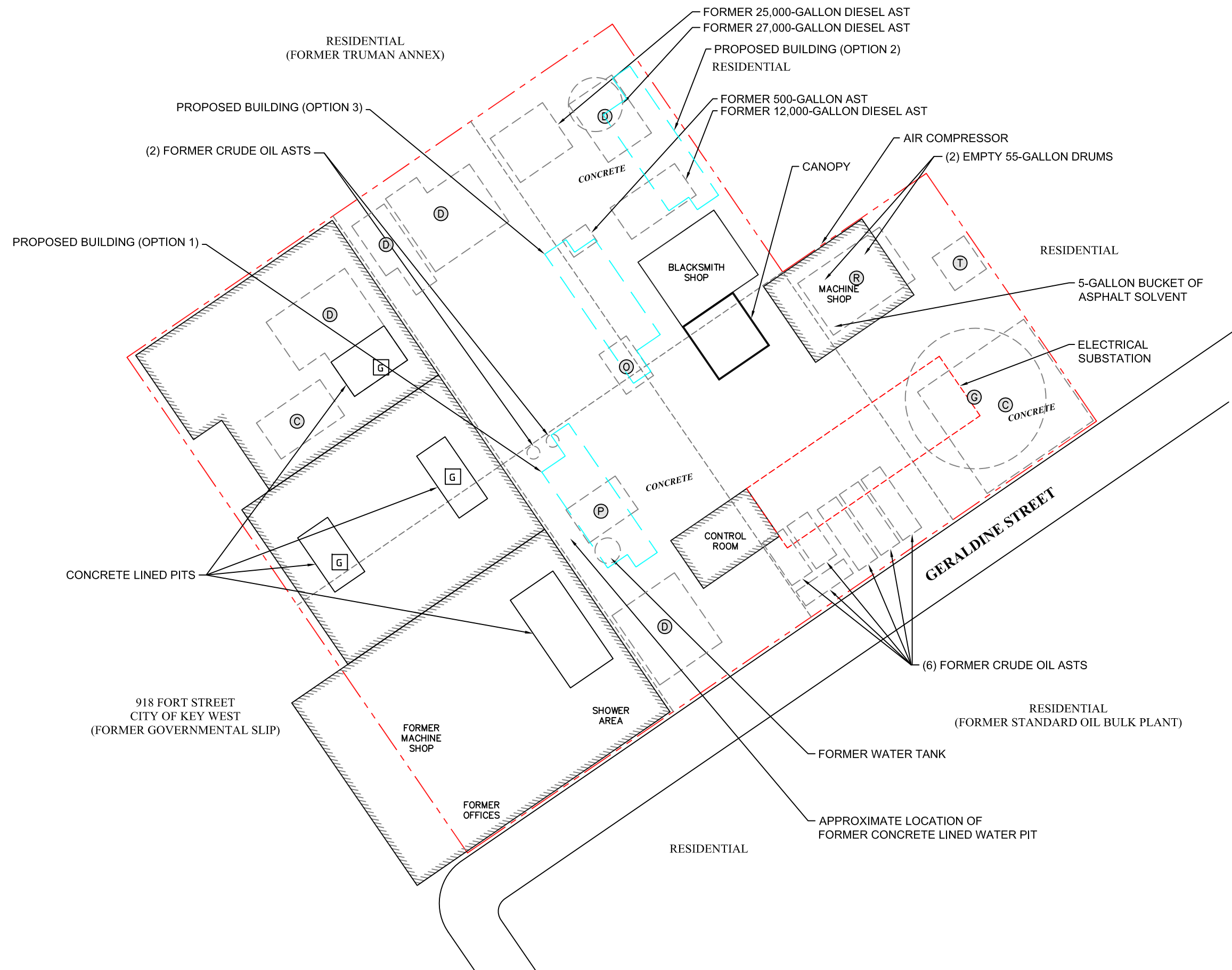
FLORIDA QUADRANGLE LOCATION



FIGURE 1  
 PROPERTY VICINITY MAP  
 USGS, 7.5 MINUTE SERIES  
 KEY WEST, FL QUADRANGLE, 1971.



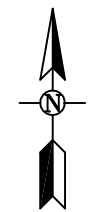




**LEGEND:**

- SUBJECT PROPERTY
- APPROXIMATE FORMER/HISTORICAL SITE FEATURES
- PARCEL / LOT BOUNDARIES
- PROPOSED SITE FEATURES

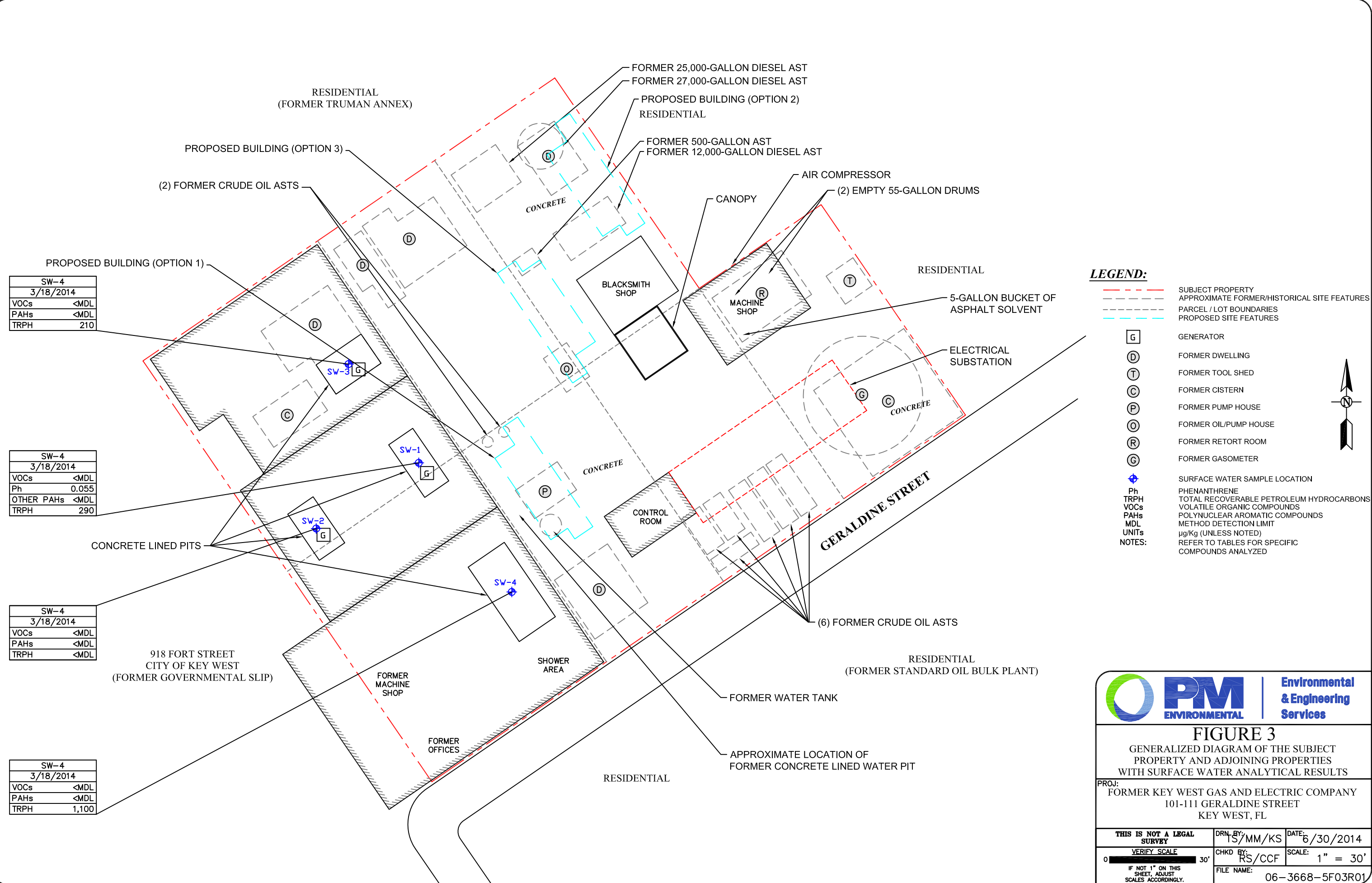
- G GENERATOR
- D FORMER DWELLING
- T FORMER TOOL SHED
- C FORMER CISTERN
- P FORMER PUMP HOUSE
- O FORMER OIL/PUMP HOUSE
- R FORMER RETORT ROOM
- G FORMER GASOMETER
- FORMER SOIL BORING
- FORMER MONITORING WELL



**FIGURE 2**  
GENERALIZED DIAGRAM OF THE SUBJECT PROPERTY AND ADJOINING PROPERTIES

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

THIS IS NOT A LEGAL SURVEY	DRN. BY: TS/MM/KS	DATE: 6/30/2014
VERIFY SCALE	CHKD BY: RS/CCF	SCALE: 1" = 30'
0 <span style="border-bottom: 1px solid black; width: 20px; display: inline-block;"></span> 30'	IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	FILE NAME: 06-3668-5F02R00



SW-4
3/18/2014
VOCs <MDL
PAHs <MDL
TRPH 210

SW-4
3/18/2014
VOCs <MDL
Ph 0.055
OTHER PAHs <MDL
TRPH 290

SW-4
3/18/2014
VOCs <MDL
PAHs <MDL
TRPH <MDL

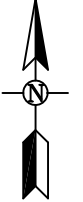
SW-4
3/18/2014
VOCs <MDL
PAHs <MDL
TRPH 1,100

**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
- + SURFACE WATER SAMPLE LOCATION

Ph PHENANTHRENE  
 TRPH TOTAL RECOVERABLE PETROLEUM HYDROCARBONS  
 VOCs VOLATILE ORGANIC COMPOUNDS  
 PAHs POLYNUCLEAR AROMATIC COMPOUNDS  
 MDL METHOD DETECTION LIMIT  
 UNITS µg/Kg (UNLESS NOTED)  
 NOTES: REFER TO TABLES FOR SPECIFIC COMPOUNDS ANALYZED



**FIGURE 3**  
 GENERALIZED DIAGRAM OF THE SUBJECT PROPERTY AND ADJOINING PROPERTIES WITH SURFACE WATER ANALYTICAL RESULTS

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

THIS IS NOT A LEGAL SURVEY	DRN. BY: TS/MM/KS	DATE: 6/30/2014
VERIFY SCALE	CHKD BY: RS/CCF	SCALE: 1" = 30'
IF NOT 1" ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	FILE NAME:	06-3668-5F03R01



# Tables

**TABLE 1**  
**SUMMARY OF SURFACE WATER ANALYTICAL RESULTS**  
**VOLATILE ORGANIC COMPOUNDS, POLYNUCLEAR AROMATIC HYDROCARBONS AND TOTAL**  
**RECOVERABLE PETROLEUM HYDROCARBONS**  
**101-111 GERALDINE AVENUE, KEY WEST, FLORIDA**  
**PM PROJECT NO. 06-3668-5**

Volatile Organic Compounds (VOCs), Polynuclear Aromatic Hydrocarbons (PAHs), and Total Recoverable Petroleum Hydrocarbons (TRPHs)  (ug/L)		VOCs	Phenanthrene	Other PAHs	TRPHs
Chemical Abstract Service Number (CAS #)		Various	85018	Various	NOCAS
Sample ID	Sample Date	VOCs	PAHs		TRPH
SW-1	03/18/2014	ND	0.055 I	ND	290
SW-2	03/18/2014	ND	0.025 U	ND	61 U
SW-3	03/18/2014	ND	0.025 U	ND	210
SW-4	03/18/2014	ND	0.025 U	ND	1,100
<b>GCTLs Chapter 62-777 of the Florida Administrative Code</b>					
<b>Groundwater Criteria</b>		Various	210	Various	5,000
<b>Natural Attenuation Default Concentrations</b>		Various	2,100	Various	50,000



Applicable Criteria Exceeded

**BOLD** Value Exceeds Applicable Criteria

ug/L Micrograms per Liter

bgs Below Grade Surface (feet)

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

GCTLs Groundwater Cleanup Target Levels

I The compound was detected between the laboratory MDL and the practical quantitation limit.

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

# Appendix A





March 28, 2014

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

RE: Project: 06-3668-5/Keys Electric  
Pace Project No.: 35130976

Dear Candace Fatt:

Enclosed are the analytical results for sample(s) received by the laboratory on March 21, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,



Christina Raschke  
christina.raschke@pacelabs.com  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: 06-3668-5/Keys Electric  
Pace Project No.: 35130976

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### Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174  
Alabama Certification #: 41320  
Arizona Certification #: AZ0735  
Colorado Certification: FL NELAC Reciprocity  
Connecticut Certification #: PH-0216  
Delaware Certification: FL NELAC Reciprocity  
Florida Certification #: E83079  
Georgia Certification #: 955  
Guam Certification: FL NELAC Reciprocity  
Hawaii Certification: FL NELAC Reciprocity  
Illinois Certification #: 200068  
Indiana Certification: FL NELAC Reciprocity  
Kansas Certification #: E-10383  
Kentucky Certification #: 90050  
Louisiana Certification #: FL NELAC Reciprocity  
Louisiana Environmental Certificate #: 05007  
Maine Certification #: FL01264  
Maryland Certification: #346  
Massachusetts Certification #: M-FL1264  
Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity  
Montana Certification #: Cert 0074  
Nebraska Certification: NE-OS-28-14  
Nevada Certification: FL NELAC Reciprocity  
New Hampshire Certification #: 2958  
New Jersey Certification #: FL765  
New York Certification #: 11608  
North Carolina Environmental Certificate #: 667  
North Carolina Certification #: 12710  
Pennsylvania Certification #: 68-00547  
Puerto Rico Certification #: FL01264  
South Carolina Certification: #96042001  
Tennessee Certification #: TN02974  
Texas Certification: FL NELAC Reciprocity  
US Virgin Islands Certification: FL NELAC Reciprocity  
Virginia Environmental Certification #: 460165  
Washington Certification #: C955  
West Virginia Certification #: 9962C  
Wisconsin Certification #: 399079670  
Wyoming (EPA Region 8): FL NELAC Reciprocity

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: 06-3668-5/Keys Electric

Pace Project No.: 35130976

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35130976002	SW-1	Water	03/18/14 11:40	03/21/14 11:00
35130976003	SW-2	Water	03/18/14 11:50	03/21/14 11:00
35130976004	SW-3	Water	03/18/14 12:00	03/21/14 11:00
35130976005	SW-4	Water	03/18/14 12:10	03/21/14 11:00

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: 06-3668-5/Keys Electric

Pace Project No.: 35130976

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35130976002	SW-1	FL-PRO	IRL	3	PASI-O
		EPA 8270 by SIM	TWB	20	PASI-O
		EPA 8260	SK	79	PASI-O
35130976003	SW-2	FL-PRO	IRL	3	PASI-O
		EPA 8270 by SIM	TWB	20	PASI-O
		EPA 8260	SK	79	PASI-O
35130976004	SW-3	FL-PRO	IRL	3	PASI-O
		EPA 8270 by SIM	TWB	20	PASI-O
		EPA 8260	SK	79	PASI-O
35130976005	SW-4	FL-PRO	IRL	3	PASI-O
		EPA 8270 by SIM	TWB	20	PASI-O
		EPA 8260	SK	79	PASI-O

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 06-3668-5/Keys Electric

Pace Project No.: 35130976

**Sample: SW-1**      **Lab ID: 35130976002**      Collected: 03/18/14 11:40      Received: 03/21/14 11:00      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>FL-PRO Water</b>									
Analytical Method: FL-PRO    Preparation Method: EPA 3510									
Petroleum Range Organics	0.29	mg/L	0.10	0.061	1	03/25/14 00:30	03/25/14 18:14		
<b>Surrogates</b>									
o-Terphenyl (S)	109	%	82-142		1	03/25/14 00:30	03/25/14 18:14	84-15-1	
N-Pentatriacontane (S)	122	%	42-159		1	03/25/14 00:30	03/25/14 18:14	630-07-09	
<b>8270 MSSV PAHLV by SIM</b>									
Analytical Method: EPA 8270 by SIM    Preparation Method: EPA 3510									
Acenaphthene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 01:49	83-32-9	
Acenaphthylene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 01:49	208-96-8	
Anthracene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 01:49	120-12-7	
Benzo(a)anthracene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 01:49	56-55-3	
Benzo(a)pyrene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 01:49	50-32-8	
Benzo(b)fluoranthene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 01:49	205-99-2	
Benzo(g,h,i)perylene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 01:49	191-24-2	
Benzo(k)fluoranthene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 01:49	207-08-9	
Chrysene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 01:49	218-01-9	
Dibenz(a,h)anthracene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 01:49	53-70-3	
Fluoranthene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 01:49	206-44-0	
Fluorene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 01:49	86-73-7	
Indeno(1,2,3-cd)pyrene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 01:49	193-39-5	
1-Methylnaphthalene	1.0U	ug/L	2.0	1.0	1	03/25/14 03:30	03/27/14 01:49	90-12-0	
2-Methylnaphthalene	1.0U	ug/L	2.0	1.0	1	03/25/14 03:30	03/27/14 01:49	91-57-6	
Naphthalene	1.0U	ug/L	2.0	1.0	1	03/25/14 03:30	03/27/14 01:49	91-20-3	
Phenanthrene	0.055 I	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 01:49	85-01-8	
Pyrene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 01:49	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	82	%	18-110		1	03/25/14 03:30	03/27/14 01:49	321-60-8	
Terphenyl-d14 (S)	88	%	18-123		1	03/25/14 03:30	03/27/14 01:49	1718-51-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		03/28/14 12:35	630-20-6	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		03/28/14 12:35	71-55-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		03/28/14 12:35	79-34-5	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		03/28/14 12:35	79-00-5	
1,1,2-Trichlorotrifluoroethane	0.50U	ug/L	1.0	0.50	1		03/28/14 12:35	76-13-1	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		03/28/14 12:35	75-34-3	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		03/28/14 12:35	75-35-4	
1,1-Dichloropropene	0.50U	ug/L	1.0	0.50	1		03/28/14 12:35	563-58-6	
1,2,3-Trichlorobenzene	0.50U	ug/L	1.0	0.50	1		03/28/14 12:35	87-61-6	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		03/28/14 12:35	96-18-4	
1,2,3-Trimethylbenzene	1.0U	ug/L	1.0	1.0	1		03/28/14 12:35	526-73-8	
1,2,4-Trichlorobenzene	0.50U	ug/L	1.0	0.50	1		03/28/14 12:35	120-82-1	
1,2,4-Trimethylbenzene	0.50U	ug/L	1.0	0.50	1		03/28/14 12:35	95-63-6	
1,2-Dibromo-3-chloropropane	1.0U	ug/L	2.0	1.0	1		03/28/14 12:35	96-12-8	
1,2-Dibromoethane (EDB)	0.50U	ug/L	1.0	0.50	1		03/28/14 12:35	106-93-4	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		03/28/14 12:35	95-50-1	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		03/28/14 12:35	107-06-2	

### REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 06-3668-5/Keys Electric

Pace Project No.: 35130976

**Sample: SW-1**      **Lab ID: 35130976002**      Collected: 03/18/14 11:40      Received: 03/21/14 11:00      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,2-Dichloroethene (Total)	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	540-59-0	N2
1,2-Dichloropropane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	78-87-5	
1,3,5-Trimethylbenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	108-67-8	
1,3-Dichlorobenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	541-73-1	
1,3-Dichloropropane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	142-28-9	
1,4-Dichlorobenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	106-46-7	
2,2-Dichloropropane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	594-20-7	
2-Butanone (MEK)	<b>5.0U</b>	ug/L	10.0	5.0	1		03/28/14 12:35	78-93-3	
2-Chloroethylvinyl ether	<b>0.50U</b>	ug/L	10.0	0.50	1		03/28/14 12:35	110-75-8	
2-Chlorotoluene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	95-49-8	
2-Hexanone	<b>5.0U</b>	ug/L	10.0	5.0	1		03/28/14 12:35	591-78-6	
4-Chlorotoluene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	106-43-4	
4-Methyl-2-pentanone (MIBK)	<b>5.0U</b>	ug/L	10.0	5.0	1		03/28/14 12:35	108-10-1	
Acetone	<b>10.0U</b>	ug/L	20.0	10.0	1		03/28/14 12:35	67-64-1	
Acetonitrile	<b>5.0U</b>	ug/L	10.0	5.0	1		03/28/14 12:35	75-05-8	
Acrolein	<b>10.0U</b>	ug/L	20.0	10.0	1		03/28/14 12:35	107-02-8	
Acrylonitrile	<b>5.0U</b>	ug/L	10.0	5.0	1		03/28/14 12:35	107-13-1	
Benzene	<b>0.10U</b>	ug/L	1.0	0.10	1		03/28/14 12:35	71-43-2	
Bromobenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	108-86-1	
Bromochloromethane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	74-97-5	
Bromodichloromethane	<b>0.27U</b>	ug/L	0.60	0.27	1		03/28/14 12:35	75-27-4	
Bromoform	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	75-25-2	
Bromomethane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	74-83-9	
Carbon disulfide	<b>5.0U</b>	ug/L	10.0	5.0	1		03/28/14 12:35	75-15-0	
Carbon tetrachloride	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	56-23-5	
Chlorobenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	108-90-7	
Chloroethane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	75-00-3	
Chloroform	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	67-66-3	
Chloromethane	<b>0.62U</b>	ug/L	1.0	0.62	1		03/28/14 12:35	74-87-3	
Dibromochloromethane	<b>0.26U</b>	ug/L	0.50	0.26	1		03/28/14 12:35	124-48-1	
Dibromomethane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	74-95-3	
Dichlorodifluoromethane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	75-71-8	
Ethylbenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	100-41-4	
Hexachloro-1,3-butadiene	<b>0.40U</b>	ug/L	1.0	0.40	1		03/28/14 12:35	87-68-3	
Iodomethane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	74-88-4	
Isopropylbenzene (Cumene)	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	98-82-8	
Methyl-tert-butyl ether	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	1634-04-4	
Methylene Chloride	<b>2.5U</b>	ug/L	5.0	2.5	1		03/28/14 12:35	75-09-2	
Naphthalene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	91-20-3	
Styrene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	100-42-5	
Tetrachloroethene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	127-18-4	
Toluene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	108-88-3	
Trichloroethene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	79-01-6	
Trichlorofluoromethane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	75-69-4	
Vinyl acetate	<b>1.0U</b>	ug/L	2.0	1.0	1		03/28/14 12:35	108-05-4	
Vinyl chloride	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	75-01-4	

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## ANALYTICAL RESULTS

Project: 06-3668-5/Keys Electric

Pace Project No.: 35130976

**Sample: SW-1**      **Lab ID: 35130976002**      Collected: 03/18/14 11:40      Received: 03/21/14 11:00      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Xylene (Total)	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	1330-20-7	
cis-1,2-Dichloroethene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	156-59-2	
cis-1,3-Dichloropropene	<b>0.25U</b>	ug/L	0.50	0.25	1		03/28/14 12:35	10061-01-5	
m&p-Xylene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	179601-23-1	
n-Butylbenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	104-51-8	
n-Propylbenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	103-65-1	
o-Xylene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	95-47-6	
p-Isopropyltoluene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	99-87-6	
sec-Butylbenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	135-98-8	
tert-Butylbenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	98-06-6	
trans-1,2-Dichloroethene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 12:35	156-60-5	
trans-1,3-Dichloropropene	<b>0.25U</b>	ug/L	0.50	0.25	1		03/28/14 12:35	10061-02-6	
trans-1,4-Dichloro-2-butene	<b>5.0U</b>	ug/L	10.0	5.0	1		03/28/14 12:35	110-57-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	96 %		70-114		1		03/28/14 12:35	460-00-4	
1,2-Dichloroethane-d4 (S)	106 %		86-125		1		03/28/14 12:35	17060-07-0	
Toluene-d8 (S)	101 %		87-113		1		03/28/14 12:35	2037-26-5	

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## ANALYTICAL RESULTS

Project: 06-3668-5/Keys Electric

Pace Project No.: 35130976

**Sample: SW-2**      **Lab ID: 35130976003**      Collected: 03/18/14 11:50      Received: 03/21/14 11:00      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>FL-PRO Water</b>									
Analytical Method: FL-PRO    Preparation Method: EPA 3510									
Petroleum Range Organics	<b>0.061U</b>	mg/L	0.10	0.061	1	03/25/14 00:30	03/25/14 18:45		
<b>Surrogates</b>									
o-Terphenyl (S)	105 %		82-142		1	03/25/14 00:30	03/25/14 18:45	84-15-1	
N-Pentatriacontane (S)	109 %		42-159		1	03/25/14 00:30	03/25/14 18:45	630-07-09	
<b>8270 MSSV PAHLV by SIM</b>									
Analytical Method: EPA 8270 by SIM    Preparation Method: EPA 3510									
Acenaphthene	<b>0.025U</b>	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:11	83-32-9	
Acenaphthylene	<b>0.025U</b>	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:11	208-96-8	
Anthracene	<b>0.025U</b>	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:11	120-12-7	
Benzo(a)anthracene	<b>0.025U</b>	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:11	56-55-3	
Benzo(a)pyrene	<b>0.025U</b>	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:11	50-32-8	
Benzo(b)fluoranthene	<b>0.025U</b>	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:11	205-99-2	
Benzo(g,h,i)perylene	<b>0.025U</b>	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:11	191-24-2	
Benzo(k)fluoranthene	<b>0.025U</b>	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:11	207-08-9	
Chrysene	<b>0.025U</b>	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:11	218-01-9	
Dibenz(a,h)anthracene	<b>0.025U</b>	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:11	53-70-3	
Fluoranthene	<b>0.025U</b>	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:11	206-44-0	
Fluorene	<b>0.025U</b>	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:11	86-73-7	
Indeno(1,2,3-cd)pyrene	<b>0.025U</b>	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:11	193-39-5	
1-Methylnaphthalene	<b>1.0U</b>	ug/L	2.0	1.0	1	03/25/14 03:30	03/27/14 02:11	90-12-0	
2-Methylnaphthalene	<b>1.0U</b>	ug/L	2.0	1.0	1	03/25/14 03:30	03/27/14 02:11	91-57-6	
Naphthalene	<b>1.0U</b>	ug/L	2.0	1.0	1	03/25/14 03:30	03/27/14 02:11	91-20-3	
Phenanthrene	<b>0.025U</b>	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:11	85-01-8	
Pyrene	<b>0.025U</b>	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:11	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	81 %		18-110		1	03/25/14 03:30	03/27/14 02:11	321-60-8	
Terphenyl-d14 (S)	86 %		18-123		1	03/25/14 03:30	03/27/14 02:11	1718-51-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	630-20-6	
1,1,1-Trichloroethane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	71-55-6	
1,1,2,2-Tetrachloroethane	<b>0.12U</b>	ug/L	0.50	0.12	1		03/28/14 13:00	79-34-5	
1,1,2-Trichloroethane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	79-00-5	
1,1,2-Trichlorotrifluoroethane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	76-13-1	
1,1-Dichloroethane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	75-34-3	
1,1-Dichloroethene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	75-35-4	
1,1-Dichloropropene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	563-58-6	
1,2,3-Trichlorobenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	87-61-6	
1,2,3-Trichloropropane	<b>0.59U</b>	ug/L	1.0	0.59	1		03/28/14 13:00	96-18-4	
1,2,3-Trimethylbenzene	<b>1.0U</b>	ug/L	1.0	1.0	1		03/28/14 13:00	526-73-8	
1,2,4-Trichlorobenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	120-82-1	
1,2,4-Trimethylbenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	95-63-6	
1,2-Dibromo-3-chloropropane	<b>1.0U</b>	ug/L	2.0	1.0	1		03/28/14 13:00	96-12-8	
1,2-Dibromoethane (EDB)	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	106-93-4	
1,2-Dichlorobenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	95-50-1	
1,2-Dichloroethane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	107-06-2	

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## ANALYTICAL RESULTS

Project: 06-3668-5/Keys Electric

Pace Project No.: 35130976

**Sample: SW-2**      **Lab ID: 35130976003**      Collected: 03/18/14 11:50      Received: 03/21/14 11:00      Matrix: Water

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

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## ANALYTICAL RESULTS

Project: 06-3668-5/Keys Electric

Pace Project No.: 35130976

**Sample: SW-2**      **Lab ID: 35130976003**      Collected: 03/18/14 11:50      Received: 03/21/14 11:00      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Xylene (Total)	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	1330-20-7	
cis-1,2-Dichloroethene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	156-59-2	
cis-1,3-Dichloropropene	<b>0.25U</b>	ug/L	0.50	0.25	1		03/28/14 13:00	10061-01-5	
m&p-Xylene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	179601-23-1	
n-Butylbenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	104-51-8	
n-Propylbenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	103-65-1	
o-Xylene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	95-47-6	
p-Isopropyltoluene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	99-87-6	
sec-Butylbenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	135-98-8	
tert-Butylbenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	98-06-6	
trans-1,2-Dichloroethene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:00	156-60-5	
trans-1,3-Dichloropropene	<b>0.25U</b>	ug/L	0.50	0.25	1		03/28/14 13:00	10061-02-6	
trans-1,4-Dichloro-2-butene	<b>5.0U</b>	ug/L	10.0	5.0	1		03/28/14 13:00	110-57-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	99 %		70-114		1		03/28/14 13:00	460-00-4	
1,2-Dichloroethane-d4 (S)	107 %		86-125		1		03/28/14 13:00	17060-07-0	
Toluene-d8 (S)	102 %		87-113		1		03/28/14 13:00	2037-26-5	

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## ANALYTICAL RESULTS

Project: 06-3668-5/Keys Electric

Pace Project No.: 35130976

**Sample: SW-3**      **Lab ID: 35130976004**      Collected: 03/18/14 12:00      Received: 03/21/14 11:00      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>FL-PRO Water</b>									
Analytical Method: FL-PRO    Preparation Method: EPA 3510									
Petroleum Range Organics	0.21	mg/L	0.11	0.063	1	03/25/14 00:30	03/25/14 18:45		
<b>Surrogates</b>									
o-Terphenyl (S)	115	%	82-142		1	03/25/14 00:30	03/25/14 18:45	84-15-1	
N-Pentatriacontane (S)	99	%	42-159		1	03/25/14 00:30	03/25/14 18:45	630-07-09	
<b>8270 MSSV PAHLV by SIM</b>									
Analytical Method: EPA 8270 by SIM    Preparation Method: EPA 3510									
Acenaphthene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:34	83-32-9	
Acenaphthylene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:34	208-96-8	
Anthracene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:34	120-12-7	
Benzo(a)anthracene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:34	56-55-3	
Benzo(a)pyrene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:34	50-32-8	
Benzo(b)fluoranthene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:34	205-99-2	
Benzo(g,h,i)perylene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:34	191-24-2	
Benzo(k)fluoranthene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:34	207-08-9	
Chrysene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:34	218-01-9	
Dibenz(a,h)anthracene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:34	53-70-3	
Fluoranthene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:34	206-44-0	
Fluorene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:34	86-73-7	
Indeno(1,2,3-cd)pyrene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:34	193-39-5	
1-Methylnaphthalene	1.0U	ug/L	2.0	1.0	1	03/25/14 03:30	03/27/14 02:34	90-12-0	
2-Methylnaphthalene	1.0U	ug/L	2.0	1.0	1	03/25/14 03:30	03/27/14 02:34	91-57-6	
Naphthalene	1.0U	ug/L	2.0	1.0	1	03/25/14 03:30	03/27/14 02:34	91-20-3	
Phenanthrene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:34	85-01-8	
Pyrene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:34	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	79	%	18-110		1	03/25/14 03:30	03/27/14 02:34	321-60-8	
Terphenyl-d14 (S)	85	%	18-123		1	03/25/14 03:30	03/27/14 02:34	1718-51-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		03/28/14 13:24	630-20-6	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		03/28/14 13:24	71-55-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		03/28/14 13:24	79-34-5	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		03/28/14 13:24	79-00-5	
1,1,2-Trichlorotrifluoroethane	0.50U	ug/L	1.0	0.50	1		03/28/14 13:24	76-13-1	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		03/28/14 13:24	75-34-3	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		03/28/14 13:24	75-35-4	
1,1-Dichloropropene	0.50U	ug/L	1.0	0.50	1		03/28/14 13:24	563-58-6	
1,2,3-Trichlorobenzene	0.50U	ug/L	1.0	0.50	1		03/28/14 13:24	87-61-6	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		03/28/14 13:24	96-18-4	
1,2,3-Trimethylbenzene	1.0U	ug/L	1.0	1.0	1		03/28/14 13:24	526-73-8	
1,2,4-Trichlorobenzene	0.50U	ug/L	1.0	0.50	1		03/28/14 13:24	120-82-1	
1,2,4-Trimethylbenzene	0.50U	ug/L	1.0	0.50	1		03/28/14 13:24	95-63-6	
1,2-Dibromo-3-chloropropane	1.0U	ug/L	2.0	1.0	1		03/28/14 13:24	96-12-8	
1,2-Dibromoethane (EDB)	0.50U	ug/L	1.0	0.50	1		03/28/14 13:24	106-93-4	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		03/28/14 13:24	95-50-1	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		03/28/14 13:24	107-06-2	

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### ANALYTICAL RESULTS

Project: 06-3668-5/Keys Electric

Pace Project No.: 35130976

**Sample: SW-3**      **Lab ID: 35130976004**      Collected: 03/18/14 12:00      Received: 03/21/14 11:00      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
1,2-Dichloroethene (Total)	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	540-59-0	N2
1,2-Dichloropropane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	78-87-5	
1,3,5-Trimethylbenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	108-67-8	
1,3-Dichlorobenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	541-73-1	
1,3-Dichloropropane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	142-28-9	
1,4-Dichlorobenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	106-46-7	
2,2-Dichloropropane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	594-20-7	
2-Butanone (MEK)	<b>5.0U</b>	ug/L	10.0	5.0	1		03/28/14 13:24	78-93-3	
2-Chloroethylvinyl ether	<b>0.50U</b>	ug/L	10.0	0.50	1		03/28/14 13:24	110-75-8	
2-Chlorotoluene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	95-49-8	
2-Hexanone	<b>5.0U</b>	ug/L	10.0	5.0	1		03/28/14 13:24	591-78-6	
4-Chlorotoluene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	106-43-4	
4-Methyl-2-pentanone (MIBK)	<b>5.0U</b>	ug/L	10.0	5.0	1		03/28/14 13:24	108-10-1	
Acetone	<b>10.0U</b>	ug/L	20.0	10.0	1		03/28/14 13:24	67-64-1	
Acetonitrile	<b>5.0U</b>	ug/L	10.0	5.0	1		03/28/14 13:24	75-05-8	
Acrolein	<b>10.0U</b>	ug/L	20.0	10.0	1		03/28/14 13:24	107-02-8	
Acrylonitrile	<b>5.0U</b>	ug/L	10.0	5.0	1		03/28/14 13:24	107-13-1	
Benzene	<b>0.10U</b>	ug/L	1.0	0.10	1		03/28/14 13:24	71-43-2	
Bromobenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	108-86-1	
Bromochloromethane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	74-97-5	
Bromodichloromethane	<b>0.27U</b>	ug/L	0.60	0.27	1		03/28/14 13:24	75-27-4	
Bromoform	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	75-25-2	
Bromomethane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	74-83-9	
Carbon disulfide	<b>5.0U</b>	ug/L	10.0	5.0	1		03/28/14 13:24	75-15-0	
Carbon tetrachloride	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	56-23-5	
Chlorobenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	108-90-7	
Chloroethane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	75-00-3	
Chloroform	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	67-66-3	
Chloromethane	<b>0.62U</b>	ug/L	1.0	0.62	1		03/28/14 13:24	74-87-3	
Dibromochloromethane	<b>0.26U</b>	ug/L	0.50	0.26	1		03/28/14 13:24	124-48-1	
Dibromomethane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	74-95-3	
Dichlorodifluoromethane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	75-71-8	
Ethylbenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	100-41-4	
Hexachloro-1,3-butadiene	<b>0.40U</b>	ug/L	1.0	0.40	1		03/28/14 13:24	87-68-3	
Iodomethane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	74-88-4	
Isopropylbenzene (Cumene)	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	98-82-8	
Methyl-tert-butyl ether	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	1634-04-4	
Methylene Chloride	<b>2.5U</b>	ug/L	5.0	2.5	1		03/28/14 13:24	75-09-2	
Naphthalene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	91-20-3	
Styrene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	100-42-5	
Tetrachloroethene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	127-18-4	
Toluene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	108-88-3	
Trichloroethene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	79-01-6	
Trichlorofluoromethane	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	75-69-4	
Vinyl acetate	<b>1.0U</b>	ug/L	2.0	1.0	1		03/28/14 13:24	108-05-4	
Vinyl chloride	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	75-01-4	

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## ANALYTICAL RESULTS

Project: 06-3668-5/Keys Electric

Pace Project No.: 35130976

**Sample: SW-3**      **Lab ID: 35130976004**      Collected: 03/18/14 12:00      Received: 03/21/14 11:00      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Xylene (Total)	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	1330-20-7	
cis-1,2-Dichloroethene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	156-59-2	
cis-1,3-Dichloropropene	<b>0.25U</b>	ug/L	0.50	0.25	1		03/28/14 13:24	10061-01-5	
m&p-Xylene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	179601-23-1	
n-Butylbenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	104-51-8	
n-Propylbenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	103-65-1	
o-Xylene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	95-47-6	
p-Isopropyltoluene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	99-87-6	
sec-Butylbenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	135-98-8	
tert-Butylbenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	98-06-6	
trans-1,2-Dichloroethene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:24	156-60-5	
trans-1,3-Dichloropropene	<b>0.25U</b>	ug/L	0.50	0.25	1		03/28/14 13:24	10061-02-6	
trans-1,4-Dichloro-2-butene	<b>5.0U</b>	ug/L	10.0	5.0	1		03/28/14 13:24	110-57-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97 %		70-114		1		03/28/14 13:24	460-00-4	
1,2-Dichloroethane-d4 (S)	107 %		86-125		1		03/28/14 13:24	17060-07-0	
Toluene-d8 (S)	100 %		87-113		1		03/28/14 13:24	2037-26-5	

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## ANALYTICAL RESULTS

Project: 06-3668-5/Keys Electric

Pace Project No.: 35130976

**Sample: SW-4**      **Lab ID: 35130976005**      Collected: 03/18/14 12:10      Received: 03/21/14 11:00      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>FL-PRO Water</b>									
Analytical Method: FL-PRO    Preparation Method: EPA 3510									
Petroleum Range Organics	1.1	mg/L	0.10	0.061	1	03/25/14 00:30	03/25/14 19:17		
<b>Surrogates</b>									
o-Terphenyl (S)	97	%	82-142		1	03/25/14 00:30	03/25/14 19:17	84-15-1	
N-Pentatriacontane (S)	96	%	42-159		1	03/25/14 00:30	03/25/14 19:17	630-07-09	
<b>8270 MSSV PAHLV by SIM</b>									
Analytical Method: EPA 8270 by SIM    Preparation Method: EPA 3510									
Acenaphthene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:56	83-32-9	
Acenaphthylene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:56	208-96-8	
Anthracene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:56	120-12-7	
Benzo(a)anthracene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:56	56-55-3	
Benzo(a)pyrene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:56	50-32-8	
Benzo(b)fluoranthene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:56	205-99-2	
Benzo(g,h,i)perylene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:56	191-24-2	
Benzo(k)fluoranthene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:56	207-08-9	
Chrysene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:56	218-01-9	
Dibenz(a,h)anthracene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:56	53-70-3	
Fluoranthene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:56	206-44-0	
Fluorene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:56	86-73-7	
Indeno(1,2,3-cd)pyrene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:56	193-39-5	
1-Methylnaphthalene	1.0U	ug/L	2.0	1.0	1	03/25/14 03:30	03/27/14 02:56	90-12-0	
2-Methylnaphthalene	1.0U	ug/L	2.0	1.0	1	03/25/14 03:30	03/27/14 02:56	91-57-6	
Naphthalene	1.0U	ug/L	2.0	1.0	1	03/25/14 03:30	03/27/14 02:56	91-20-3	
Phenanthrene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:56	85-01-8	
Pyrene	0.025U	ug/L	0.10	0.025	1	03/25/14 03:30	03/27/14 02:56	129-00-0	
<b>Surrogates</b>									
2-Fluorobiphenyl (S)	79	%	18-110		1	03/25/14 03:30	03/27/14 02:56	321-60-8	
Terphenyl-d14 (S)	84	%	18-123		1	03/25/14 03:30	03/27/14 02:56	1718-51-0	
<b>8260 MSV</b>									
Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	0.50U	ug/L	1.0	0.50	1		03/28/14 13:48	630-20-6	
1,1,1-Trichloroethane	0.50U	ug/L	1.0	0.50	1		03/28/14 13:48	71-55-6	
1,1,2,2-Tetrachloroethane	0.12U	ug/L	0.50	0.12	1		03/28/14 13:48	79-34-5	
1,1,2-Trichloroethane	0.50U	ug/L	1.0	0.50	1		03/28/14 13:48	79-00-5	
1,1,2-Trichlorotrifluoroethane	0.50U	ug/L	1.0	0.50	1		03/28/14 13:48	76-13-1	
1,1-Dichloroethane	0.50U	ug/L	1.0	0.50	1		03/28/14 13:48	75-34-3	
1,1-Dichloroethene	0.50U	ug/L	1.0	0.50	1		03/28/14 13:48	75-35-4	
1,1-Dichloropropene	0.50U	ug/L	1.0	0.50	1		03/28/14 13:48	563-58-6	
1,2,3-Trichlorobenzene	0.50U	ug/L	1.0	0.50	1		03/28/14 13:48	87-61-6	
1,2,3-Trichloropropane	0.59U	ug/L	1.0	0.59	1		03/28/14 13:48	96-18-4	
1,2,3-Trimethylbenzene	1.0U	ug/L	1.0	1.0	1		03/28/14 13:48	526-73-8	
1,2,4-Trichlorobenzene	0.50U	ug/L	1.0	0.50	1		03/28/14 13:48	120-82-1	
1,2,4-Trimethylbenzene	0.50U	ug/L	1.0	0.50	1		03/28/14 13:48	95-63-6	
1,2-Dibromo-3-chloropropane	1.0U	ug/L	2.0	1.0	1		03/28/14 13:48	96-12-8	
1,2-Dibromoethane (EDB)	0.50U	ug/L	1.0	0.50	1		03/28/14 13:48	106-93-4	
1,2-Dichlorobenzene	0.50U	ug/L	1.0	0.50	1		03/28/14 13:48	95-50-1	
1,2-Dichloroethane	0.50U	ug/L	1.0	0.50	1		03/28/14 13:48	107-06-2	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: 06-3668-5/Keys Electric

Pace Project No.: 35130976

**Sample: SW-4**      **Lab ID: 35130976005**      Collected: 03/18/14 12:10      Received: 03/21/14 11:00      Matrix: Water

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

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## ANALYTICAL RESULTS

Project: 06-3668-5/Keys Electric

Pace Project No.: 35130976

**Sample: SW-4**      **Lab ID: 35130976005**      Collected: 03/18/14 12:10      Received: 03/21/14 11:00      Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV</b>		Analytical Method: EPA 8260							
Xylene (Total)	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:48	1330-20-7	
cis-1,2-Dichloroethene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:48	156-59-2	
cis-1,3-Dichloropropene	<b>0.25U</b>	ug/L	0.50	0.25	1		03/28/14 13:48	10061-01-5	
m&p-Xylene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:48	179601-23-1	
n-Butylbenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:48	104-51-8	
n-Propylbenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:48	103-65-1	
o-Xylene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:48	95-47-6	
p-Isopropyltoluene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:48	99-87-6	
sec-Butylbenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:48	135-98-8	
tert-Butylbenzene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:48	98-06-6	
trans-1,2-Dichloroethene	<b>0.50U</b>	ug/L	1.0	0.50	1		03/28/14 13:48	156-60-5	
trans-1,3-Dichloropropene	<b>0.25U</b>	ug/L	0.50	0.25	1		03/28/14 13:48	10061-02-6	
trans-1,4-Dichloro-2-butene	<b>5.0U</b>	ug/L	10.0	5.0	1		03/28/14 13:48	110-57-6	
<b>Surrogates</b>									
4-Bromofluorobenzene (S)	97 %		70-114		1		03/28/14 13:48	460-00-4	
1,2-Dichloroethane-d4 (S)	108 %		86-125		1		03/28/14 13:48	17060-07-0	
Toluene-d8 (S)	99 %		87-113		1		03/28/14 13:48	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 06-3668-5/Keys Electric

Pace Project No.: 35130976

QC Batch: OEXT/16647 Analysis Method: EPA 8270 by SIM  
 QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAHLV by SIM MSSV  
 Associated Lab Samples: 35130976002, 35130976003, 35130976004, 35130976005

METHOD BLANK: 861427 Matrix: Water  
 Associated Lab Samples: 35130976002, 35130976003, 35130976004, 35130976005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	1.0U	2.0	03/25/14 16:36	
2-Methylnaphthalene	ug/L	1.0U	2.0	03/25/14 16:36	
Acenaphthene	ug/L	0.025U	0.10	03/25/14 16:36	
Acenaphthylene	ug/L	0.025U	0.10	03/25/14 16:36	
Anthracene	ug/L	0.025U	0.10	03/25/14 16:36	
Benzo(a)anthracene	ug/L	0.025U	0.10	03/25/14 16:36	
Benzo(a)pyrene	ug/L	0.025U	0.10	03/25/14 16:36	
Benzo(b)fluoranthene	ug/L	0.025U	0.10	03/25/14 16:36	
Benzo(g,h,i)perylene	ug/L	0.025U	0.10	03/25/14 16:36	
Benzo(k)fluoranthene	ug/L	0.025U	0.10	03/25/14 16:36	
Chrysene	ug/L	0.025U	0.10	03/25/14 16:36	
Dibenz(a,h)anthracene	ug/L	0.025U	0.10	03/25/14 16:36	
Fluoranthene	ug/L	0.025U	0.10	03/25/14 16:36	
Fluorene	ug/L	0.025U	0.10	03/25/14 16:36	
Indeno(1,2,3-cd)pyrene	ug/L	0.025U	0.10	03/25/14 16:36	
Naphthalene	ug/L	1.0U	2.0	03/25/14 16:36	
Phenanthrene	ug/L	0.025U	0.10	03/25/14 16:36	
Pyrene	ug/L	0.025U	0.10	03/25/14 16:36	
2-Fluorobiphenyl (S)	%	91	18-110	03/25/14 16:36	
Terphenyl-d14 (S)	%	94	18-123	03/25/14 16:36	

LABORATORY CONTROL SAMPLE: 861428

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	5	4.4	88	21-133	
2-Methylnaphthalene	ug/L	5	4.3	86	21-133	
Acenaphthene	ug/L	5	4.4	87	47-145	
Acenaphthylene	ug/L	5	4.3	87	33-145	
Anthracene	ug/L	5	4.2	84	27-133	
Benzo(a)anthracene	ug/L	5	4.3	87	33-143	
Benzo(a)pyrene	ug/L	5	4.0	81	17-163	
Benzo(b)fluoranthene	ug/L	5	5.3	105	24-159	
Benzo(g,h,i)perylene	ug/L	5	3.7	74	10-219	
Benzo(k)fluoranthene	ug/L	5	5.2	103	11-162	
Chrysene	ug/L	5	4.7	94	17-168	
Dibenz(a,h)anthracene	ug/L	5	3.7	73	10-227	
Fluoranthene	ug/L	5	4.8	96	26-137	
Fluorene	ug/L	5	4.5	90	59-130	
Indeno(1,2,3-cd)pyrene	ug/L	5	3.8	75	10-171	
Naphthalene	ug/L	5	4.1	82	21-133	
Phenanthrene	ug/L	5	4.7	94	54-130	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 06-3668-5/Keys Electric

Pace Project No.: 35130976

LABORATORY CONTROL SAMPLE: 861428

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/L	5	4.8	96	52-130	
2-Fluorobiphenyl (S)	%			90	18-110	
Terphenyl-d14 (S)	%			97	18-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 861527 861528

Parameter	Units	35130785063		MS	MSD	861528		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	MS Result	MSD Result							
1-Methylnaphthalene	ug/L	1.0U	5	5	5	4.4	4.1	87	82	21-133	7	40		
2-Methylnaphthalene	ug/L	1.0U	5	5	5	4.4	4.1	87	81	21-133	7	40		
Acenaphthene	ug/L	0.025U	5	5	5	4.5	4.1	90	83	47-145	8	40		
Acenaphthylene	ug/L	0.025U	5	5	5	4.5	4.2	90	85	33-145	7	40		
Anthracene	ug/L	0.025U	5	5	5	4.7	4.5	93	90	27-133	4	40		
Benzo(a)anthracene	ug/L	0.22	5	5	5	4.5	4.4	86	83	33-143	4	40		
Benzo(a)pyrene	ug/L	0.025U	5	5	5	4.3	4.2	86	84	17-163	2	40		
Benzo(b)fluoranthene	ug/L	0.025U	5	5	5	5.2	4.6	104	92	24-159	12	40		
Benzo(g,h,i)perylene	ug/L	0.025U	5	5	5	4.5	4.2	90	84	10-219	7	40		
Benzo(k)fluoranthene	ug/L	0.025U	5	5	5	4.4	4.9	87	98	11-162	12	40		
Chrysene	ug/L	0.025U	5	5	5	4.7	4.6	94	92	17-168	3	40		
Dibenz(a,h)anthracene	ug/L	0.025U	5	5	5	4.5	4.2	90	84	10-227	6	40		
Fluoranthene	ug/L	0.025U	5	5	5	4.8	4.5	96	91	26-137	5	40		
Fluorene	ug/L	0.025U	5	5	5	4.6	4.3	92	86	59-130	7	40		
Indeno(1,2,3-cd)pyrene	ug/L	0.025U	5	5	5	4.5	4.3	90	86	10-171	4	40		
Naphthalene	ug/L	1.0U	5	5	5	4.2	3.8	83	76	21-133	9	40		
Phenanthrene	ug/L	0.025U	5	5	5	4.8	4.6	95	91	54-130	4	40		
Pyrene	ug/L	0.025U	5	5	5	4.7	4.5	94	90	52-130	5	40		
2-Fluorobiphenyl (S)	%							88	80	18-110				
Terphenyl-d14 (S)	%							91	88	18-123				

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: 06-3668-5/Keys Electric  
Pace Project No.: 35130976

QC Batch: OEXT/16648 Analysis Method: FL-PRO  
QC Batch Method: EPA 3510 Analysis Description: FL-PRO Water  
Associated Lab Samples: 35130976002, 35130976003, 35130976004, 35130976005

METHOD BLANK: 861430 Matrix: Water  
Associated Lab Samples: 35130976002, 35130976003, 35130976004, 35130976005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Petroleum Range Organics	mg/L	0.059U	0.10	03/25/14 14:34	
N-Pentatriacontane (S)	%	126	42-159	03/25/14 14:34	
o-Terphenyl (S)	%	121	82-142	03/25/14 14:34	

LABORATORY CONTROL SAMPLE & LCSD: 861431

Parameter	Units	861526					% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
Petroleum Range Organics	mg/L	5	4.3	4.9	86	98	55-118	13	20	
N-Pentatriacontane (S)	%				106	119	42-159			
o-Terphenyl (S)	%				102	112	82-142			

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## QUALIFIERS

Project: 06-3668-5/Keys Electric

Pace Project No.: 35130976

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### DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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.

N2 The lab does not hold TNI accreditation for this parameter.

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 06-3668-5/Keys Electric

Pace Project No.: 35130976

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35130976002	SW-1	EPA 3510	OEXT/16648	FL-PRO	GCSV/10944
35130976003	SW-2	EPA 3510	OEXT/16648	FL-PRO	GCSV/10944
35130976004	SW-3	EPA 3510	OEXT/16648	FL-PRO	GCSV/10944
35130976005	SW-4	EPA 3510	OEXT/16648	FL-PRO	GCSV/10944
35130976002	SW-1	EPA 3510	OEXT/16647	EPA 8270 by SIM	MSSV/5978
35130976003	SW-2	EPA 3510	OEXT/16647	EPA 8270 by SIM	MSSV/5978
35130976004	SW-3	EPA 3510	OEXT/16647	EPA 8270 by SIM	MSSV/5978
35130976005	SW-4	EPA 3510	OEXT/16647	EPA 8270 by SIM	MSSV/5978
35130976002	SW-1	EPA 8260	MSV/11230		
35130976003	SW-2	EPA 8260	MSV/11230		
35130976004	SW-3	EPA 8260	MSV/11230		
35130976005	SW-4	EPA 8260	MSV/11230		

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WO#: 35130976



35130976

# CHAIN OF CUSTODY RECORD

LAB W.O # \_\_\_\_\_

Quote: \_\_\_\_\_

Page 1 of 1

**Container Type Codes**

AV Amber Vial	ES Encore Sampler
CV Clear Vial	PPV Prepreserved vial
P Plastic	PL C Plastic container
AL Amber Liter	PL J Plastic Jar
CL Clear Liter	Z Ziploc bag
AP Amber Plastic	TB Tedlar bag
AG Amber Glass	WP Whirl pak
SJ Soil Jar	G Gallon Jug
Other _____	TC Terra-core
PPV Prepreserved Vial	
Size(s): 2oz, 4oz, 8oz, 16oz, 32oz or 1L, other _____	
40ml 500ml 250ml 125ml	
Example: 4ozP = 4oz Plastic, 8ozSJ= 8oz Soil Jar	

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Company Name: PH Environmental PO# \_\_\_\_\_  
 Address: 2131 Hollywood Blvd, Ste 503  
 City: Hollywood State: FL Zip: 33020  
 Attn: Cardace Chay Fatt Fax# \_\_\_\_\_  
 email: chf@photual.com phone: (954) 924-1801  
 Project Name: Kays Electric Proj# 06-26855  
 Sampler Signature: C. Coates Circle One Event: Daily Weekly Monthly  
 Quarterly Semi-Annual Annual (N/A)

**LAB ANALYSIS**

Sample	TRC	pH	Pres Codes	Parameters	Other	Other	Other	Other	Other	Other	Other	Other	Other
				<u>VOCs bay</u> <u>00260</u> <u>PAHs bay</u> <u>0270</u> <u>TRPH bay</u> <u>FL-PRO</u>									

**Matrix Codes**

SD Solid Waste	OL Oil
GW Ground Water	SL Soil Sludge
EFF Effluent	SO Soil Sediment
AFW Analyte Free H2O	AQ Aqueous
WW Waste Water	NA Nonaqueous
DW Drinking Water	PE Petroleum
SW Surface Water	O Other
ML Misc. Liquid	(Please specify)

**Preservative Type Codes**

A. None	E. HCL	I. Ice
B. HNO3	F. MeOH	J. MCAA
C. H2SO4	G. Na2S2O3	K. Zn Acetate
D. NaOH	H. NaHSO4	O. Other

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code*	Field Filtered	Integrity OK(Y/N)	Total # of containers	Parameters	# of Containers Size/Type													
									1	2	3	4	5	6	7	8	9	10				
1	Top blank						1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
2	SLO-1	5/18	1140	SLO-N			5		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	SLO-2		1150				1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	SLO-3		1200				1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	SLO-4		1210				1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10									<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

EXAMPLE  
Disc. Lead 6010

**REMARKS**

4039-2

Chain of Custody		Short Hold		Circle QA/QC Report Level				EDD (Fees May Apply)				COC Condition		Required State Certification		Coolers #'s - Temp °C				
Standard: Today 1D 2D 3D 4D 5D		Y N		2 3 4 CLP AFCEE QAPP Other				ADaPT (SEDD) ERPIMS TSV CSV Other				OK Incomplete		IL GA SC NC NJ PA LA TX IL		1 2 3 4 5				
Item	Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time	Temperature		Humidity		Other							
1	<u>C. Coates</u>	<u>PH</u>	<u>5/21/14</u>	<u>1015</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>3/21/14</u>	<u>1015</u>												
2	<u>[Signature]</u>	<u>[Signature]</u>	<u>3/21/14</u>	<u>1100</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>3/21/14</u>	<u>1100</u>												
3																				
4																				

**Sample Condition Upon Receipt Form (SCUR)**

Table Number: \_\_\_\_\_

Client Name: PM Enviro Project # \_\_\_\_\_

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 T108 Type of Ice:  Wet  Blue  None

Cooler Temperature°C 4.9 (Visual) -0.2 (Correction Factor) 4.7 (Actual)

Date and Initials of person examining contents: TOP 2/9/14

(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	<input type="checkbox"/>
Chain of Custody Filled Out	<input type="checkbox"/>
Relinquished Signature & Sampler Name COC	<input type="checkbox"/>
Samples Arrived within Hold Time	<input type="checkbox"/>
Sufficient Volume	<input type="checkbox"/>
Correct Containers Used	<input type="checkbox"/>
Containers Intact	<input type="checkbox"/>
Sample Labels match COC (sample IDs & date/time of collection)	<input type="checkbox"/>
	No Labels: <input type="checkbox"/> No Time/Date on Labels: <input type="checkbox"/>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/>
No Headspace in VOA Vials (>6mm):	<input type="checkbox"/>

Client Notification/ Resolution:

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution (use back for additional comments): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Project Manager Review: \_\_\_\_\_

Date: \_\_\_\_\_

Finished Product Information Only	
F.P. Sample ID: _____	<u>Size &amp; Qty of Bottles Received</u>
Production Code: _____	_____ x 5 Gal
Date/Time Opened: _____	_____ x 2.5 Gal
Number of Unopened Bottles Remaining: _____	_____ x 1 Gal
	_____ x 1 Liter
	_____ x 500 mL
	_____ x 250 mL
	_____ x Other: _____
Extra Sample in Shed: Yes No	