

# FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs FL 32715-0597 Phone 407-339-5984 Fax 407-260-6110 www.flowerslabs.com  
8253 South U.S. Highway 1, Port St. Lucie FL 34952-2860 Phone 772-343-8006 Fax 772-343-8089  
P.O. Box 1200, Madison FL 32341 Phone 850-973-6878 Fax 850-973-6878

City of Key West  
PO Box 6434  
Key West, FL 33041-6464

PO #: n/a  
Client Project #: Key West Bight Surface  
Date Sampled: Apr 22, 2008  
Apr 30, 2008; Invoice: 64437

## Report Summary

Date Received: Apr 22, 2008

FCL Project Manager: June S. Flowers

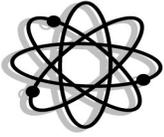
Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
64437SW1	KWB-1-S	EPA1664	CCP	Main Lab	Surface Water
		SM9222 B	DDB	South Lab	
		SM9222 D	MMA	South Lab	
64437SW2	KWB-2-S	EPA1664	CCP	Main Lab	Surface Water
		SM9222 B	DDB	South Lab	
		SM9222 D	MMA	South Lab	
64437SW3	KWB-3-S	EPA1664	CCP	Main Lab	Surface Water
		SM9222 B	DDB	South Lab	
		SM9222 D	MMA	South Lab	
64437SW4	KWB-5-S	EPA1664	CCP	Main Lab	Surface Water
		SM9222 B	DDB	South Lab	
		SM9222 D	MMA	South Lab	
64437SW5	KWB-1-S Duplicate	EPA1664	CCP	Main Lab	Surface Water
64437SW6	KWB-2-S Duplicate	EPA1664	CCP	Main Lab	Surface Water
64437SW7	KWB-3-S Duplicate	EPA1664	CCP	Main Lab	Surface Water
64437SW8	KWB-5-S Duplicate	EPA1664	CCP	Main Lab	Surface Water

### Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.

Jefferson S. Flowers, Ph.D.  
President/Technical Director





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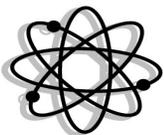
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### Analysis Report

Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analized
<b>Lab #:</b> 64437SW1	<b>Sampled:</b> 04/22/08 08:10 AM	<b>Desc:</b> KWB-1-S	Total Coliform	40.0	cfu/100mL	1.00	1.00	1.00	10103151	SM9222 B	E761700	04/22/08 03:15 PM
			Fecal_Coliform	1.00	cfu/100mL	1.00	1.00	1.00	10103154	SM9222 D	E761792	04/22/08 02:50 PM
			Oil+Grease (HEM)	1.00 U	mgHx/L	1.00	1.00	4.00	10103353	EPA1664	36-82-9	04/29/08
<b>Lab #:</b> 64437SW2	<b>Sampled:</b> 04/22/08 08:15 AM	<b>Desc:</b> KWB-2-S	Total Coliform	700	cfu/100mL	100	100	100	10103152	SM9222 B	E761700	04/22/08 03:15 PM
			Fecal_Coliform	55.0	cfu/100mL	1.00	1.00	1.00	10103154	SM9222 D	E761792	04/22/08 02:50 PM
			Oil+Grease (HEM)	1.00 U	mgHx/L	1.00	1.00	4.00	10103353	EPA1664	36-82-9	04/29/08
<b>Lab #:</b> 64437SW3	<b>Sampled:</b> 04/22/08 08:20 AM	<b>Desc:</b> KWB-3-S	Total Coliform	100	cfu/100mL	100	100	100	10103152	SM9222 B	E761700	04/22/08 03:15 PM
			Fecal_Coliform	9.00	cfu/100mL	1.00	1.00	1.00	10103154	SM9222 D	E761792	04/22/08 02:50 PM
			Oil+Grease (HEM)	1.00 U	mgHx/L	1.00	1.00	4.00	10103353	EPA1664	36-82-9	04/29/08
<b>Lab #:</b> 64437SW4	<b>Sampled:</b> 04/22/08 08:40 AM	<b>Desc:</b> KWB-5-S	Total Coliform	52.0	cfu/100mL	1.00	1.00	1.00	10103151	SM9222 B	E761700	04/22/08 03:15 PM
			Fecal_Coliform	3.00	cfu/100mL	1.00	1.00	1.00	10103154	SM9222 D	E761792	04/22/08 02:50 PM
			Oil+Grease (HEM)	1.00 U	mgHx/L	1.00	1.00	4.00	10103353	EPA1664	36-82-9	04/29/08
<b>Lab #:</b> 64437SW5	<b>Sampled:</b> 04/22/08 08:10 AM	<b>Desc:</b> KWB-1-S Duplicate	Oil+Grease (HEM)	1.00 U	mgHx/L	1.00	1.00	4.00	10103353	EPA1664	36-82-9	04/29/08



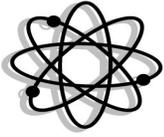
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Lab #:	Sampled:	Desc:	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
64437SW6	04/22/08 08:15 AM	KWB-2-S Duplicate	Oil+Grease (HEM)	1.00 U	mgHx/L	1.00	1.00	4.00	10103353	EPA1664	36-82-9	04/29/08
64437SW7	04/22/08 08:20 AM	KWB-3-S Duplicate	Oil+Grease (HEM)	1.00 U	mgHx/L	1.00	1.00	4.00	10103353	EPA1664	36-82-9	04/29/08
64437SW8	04/22/08 08:40 AM	KWB-5-S Duplicate	Oil+Grease (HEM)	1.26 I	mgHx/L	1.00	1.00	4.00	10103353	EPA1664	36-82-9	04/29/08



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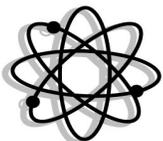
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## Quality Report

<b>Quality Control Batch:</b> 10103151	<b>Analyst:</b> DDB				
<b>Blank</b>	<b>Result</b>	<b>Units</b>			
Total Coliform	1.00U	cfu/100mL			
<b>Quality Control Batch:</b> 10103152	<b>Analyst:</b> DDB				
<b>Blank</b>	<b>Result</b>	<b>Units</b>			
Total Coliform	1.00U	cfu/100mL			
<b>Quality Control Batch:</b> 10103154	<b>Analyst:</b> MMA				
<b>Blank</b>	<b>Result</b>	<b>Units</b>			
Fecal_Coliform	1.00U	cfu/100mL			
<b>Quality Control Batch:</b> 10103353	<b>Analyst:</b> CCP				
<b>Blank</b>	<b>Result</b>	<b>Units</b>			
Oil+Grease (HEM)	1.00U	mgHx/L			
<b>Laboratory Control Sample</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>
Oil+Grease (HEM)	37.1	mgHx/L	40.2	92.29	29.34-148.81



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## Narrative Report

### Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by FCL. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

### Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

### Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	One or more QC samples associated with this data value exceeded QC limits.
J1	Surrogate recovery limits have been exceeded.
J2	No known quality control criteria exist for the component.
J3	Reported value failed to meet established quality control criteria for either precision or accuracy.
J4	Sample matrix interfered with the ability to make an accurate determination on the spiked sample.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
ZTNTC	Too numerous to count. Numeric value represents filtration volume.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.