

# FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597  
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986  
812 SW Harvey Green Dr, Madison, FL 32340  
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)  
Phone: 772-343-8006 E86562 (South Lab)  
Phone: 850-973-6878 E82405 (North Lab)  
Phone: 305-743-8598 E35834 (Keys Lab)

Florida Keys Aqueduct Authority-WWTP  
3375 Overseas Hwy  
Marathon, FL 33050

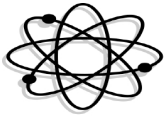
PO #: 15350  
Client Project #: Cudjoe Key -Q- SW  
Date Sampled: May 11, 2016  
Jun 1, 2016; Invoice: 298271

## Report Summary

Date Received: May 11, 2016

FCL Project Manager: Thomas D. Cross

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
298271SW1	C-23	EPA1600	TDC	Keys Lab	Surface Water
		EPA200.7	EVB	Main Lab	
		EPA200.8	EVB	Main Lab	
		EPA245.1	EVB	Main Lab	
		EPA350.1	PCW	Main Lab	
		EPA351.2	VLB	Main Lab	
		EPA353.2	PCW	Main Lab	
		EPA365.1	PCW	Main Lab	
		EPA375.2	PCW	Main Lab	
		FDEP DEP-SOP	PCW	Main Lab	
		OrgNit			
		SM10200 H	ECG	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM2540 D	PLB	Main Lab	
		SM4500-CI E	VLB	Main Lab	
		SM5310 C	PCW	Main Lab	
		SM9222 D	TDC	Keys Lab	
298271SW2	C-22	EPA1600	TDC	Keys Lab	Surface Water
		EPA200.7	EVB	Main Lab	
		EPA200.8	EVB	Main Lab	
		EPA245.1	EVB	Main Lab	
		EPA350.1	PCW	Main Lab	
		EPA351.2	VLB	Main Lab	
		EPA353.2	PCW	Main Lab	
		EPA365.1	PCW	Main Lab	
		EPA375.2	PCW	Main Lab	
		FDEP DEP-SOP	PCW	Main Lab	
		OrgNit			
		SM10200 H	ECG	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM2540 D	PLB	Main Lab	
		SM4500-CI E	VLB	Main Lab	
		SM5310 C	PCW	Main Lab	
		SM9222 D	TDC	Keys Lab	
298271SW3	C-21	EPA1600	TDC	Keys Lab	Surface Water
		EPA200.7	EVB	Main Lab	
		EPA200.8	EVB	Main Lab	
		EPA245.1	EVB	Main Lab	
		EPA350.1	PCW	Main Lab	
		EPA351.2	VLB	Main Lab	



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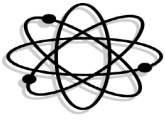
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		EPA353.2	PCW	Main Lab	
		EPA365.1	PCW	Main Lab	
		EPA375.2	PCW	Main Lab	
		FDEP DEP-SOP	PCW	Main Lab	
		OrgNit			
		SM10200 H	ECG	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM2540 D	PLB	Main Lab	
		SM4500-CI E	VLB	Main Lab	
		SM5310 C	PCW	Main Lab	
		SM9222 D	TDC	Keys Lab	
		TotNit			
298271SW4	CK-5	EPA1600	TDC	Keys Lab	Surface Water
		EPA200.7	EVB	Main Lab	
		EPA200.8	EVB	Main Lab	
		EPA245.1	EVB	Main Lab	
		EPA350.1	PCW	Main Lab	
		EPA351.2	VLB	Main Lab	
		EPA353.2	PCW	Main Lab	
		EPA365.1	PCW	Main Lab	
		EPA375.2	PCW	Main Lab	
		FDEP DEP-SOP	PCW	Main Lab	
		OrgNit			
		SM10200 H	ECG	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM2540 D	PLB	Main Lab	
		SM4500-CI E	VLB	Main Lab	
		SM5310 C	PCW	Main Lab	
		SM9222 D	TDC	Keys Lab	
		TotNit			
298271SW5	CK-8	EPA1600	TDC	Keys Lab	Surface Water
		EPA200.7	EVB	Main Lab	
		EPA200.8	EVB	Main Lab	
		EPA245.1	EVB	Main Lab	
		EPA350.1	PCW	Main Lab	
		EPA351.2	VLB	Main Lab	
		EPA353.2	PCW	Main Lab	
		EPA365.1	PCW	Main Lab	
		EPA375.2	PCW	Main Lab	
		FDEP DEP-SOP	PCW	Main Lab	
		OrgNit			
		SM10200 H	ECG	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM2540 D	PLB	Main Lab	
		SM4500-CI E	VLB	Main Lab	
		SM5310 C	PCW	Main Lab	
		SM9222 D	TDC	Keys Lab	



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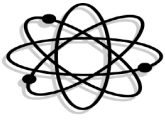
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298271SW6	CK-14	TotNit			
		EPA1600	TDC	Keys Lab	Surface Water
		EPA200.7	EVB	Main Lab	
		EPA200.8	EVB	Main Lab	
		EPA245.1	EVB	Main Lab	
		EPA350.1	PCW	Main Lab	
		EPA351.2	VLB	Main Lab	
		EPA353.2	PCW	Main Lab	
		EPA365.1	PCW	Main Lab	
		EPA375.2	PCW	Main Lab	
		FDEP DEP-SOP	PCW	Main Lab	
		OrgNit			
		SM10200 H	ECG	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM2540 D	PLB	Main Lab	
		SM4500-CI E	VLB	Main Lab	
		SM5310 C	PCW	Main Lab	
SM9222 D	TDC	Keys Lab			
298271SW7	C-26	TotNit			
		EPA1600	TDC	Keys Lab	Surface Water
		EPA200.7	EVB	Main Lab	
		EPA200.8	EVB	Main Lab	
		EPA245.1	EVB	Main Lab	
		EPA350.1	PCW	Main Lab	
		EPA351.2	VLB	Main Lab	
		EPA353.2	PCW	Main Lab	
		EPA365.1	PCW	Main Lab	
		EPA375.2	PCW	Main Lab	
		FDEP DEP-SOP	PCW	Main Lab	
		OrgNit			
		SM10200 H	ECG	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM2540 D	PLB	Main Lab	
		SM4500-CI E	VLB	Main Lab	
		SM5310 C	PCW	Main Lab	
SM9222 D	TDC	Keys Lab			
298271SW8	CK-1	TotNit			
		EPA1600	TDC	Keys Lab	Surface Water
		EPA200.7	EVB	Main Lab	
		EPA200.8	EVB	Main Lab	
		EPA245.1	EVB	Main Lab	
		EPA350.1	PCW	Main Lab	
		EPA351.2	VLB	Main Lab	
		EPA353.2	PCW	Main Lab	
		EPA365.1	PCW	Main Lab	
		EPA375.2	PCW	Main Lab	
FDEP DEP-SOP	PCW	Main Lab			



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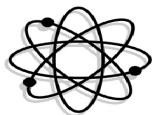
OrgNit		
SM10200 H	ECG	Main Lab
SM2540 C	PLB	Main Lab
SM2540 D	PLB	Main Lab
SM4500-CI E	VLB	Main Lab
SM5310 C	PCW	Main Lab
SM9222 D	TDC	Keys Lab
TotNit		

### 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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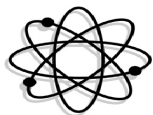
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## Analysis Report

Lab #:	Sampled:	Desc:										
298271SW1	05/11/16 07:20 AM	C-23	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
			Organic Nitrogen	0.787		0				OrgNit		
			Total Nitrogen(as N)	0.787		0				TotNit	17778-88-0	
			Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		05/25/16
			Enterococci	1.00 U	cfu/100mL	1.00	1.00	1.00	10311223	EPA1600		05/11/16 10:50 AM
			Fecal Coliform	1.00 U	cfu/100mL	1.00	1.00	1.00	10311224	SM9222 D	E761792	05/11/16 11:05 AM
			Iron	0.0100 U	mg/L	1.00	0.0100	0.0200	10311318	EPA200.7	7439-89-6	05/12/16
			Aluminum	0.0172 I	mg/L	1.00	0.0100	0.0200	10311531	EPA200.8	7429-90-5	05/12/16
			Arsenic	0.00570	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-38-2	05/12/16
			Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10311531	EPA200.8	7440-43-9	05/12/16
			Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-47-3	05/12/16
			Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7439-92-1	05/12/16
			Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-02-0	05/12/16
			Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10311531	EPA200.8	7440-66-6	05/12/16
			Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10311534	EPA365.1	14265-44-2	05/12/16 03:41 PM
			TDS	40400	mg/L	1.00	2.50	5.00	10311781	SM2540 C	10-33-3	05/14/16
			TSS	16.8	mg/L	1.00	1.00	2.00	10311945	SM2540 D	E1642818	05/18/16
			TKN(as N)	0.787	mg/L	1.00	0.200	0.400	10312089	EPA351.2	7727-37-9	05/20/16
			Chloride	21000	mg/L	100	400	800	10312107	SM4500-CI E	16887-00-6	05/21/16
			Sulfate	82.8	mg/L	1.00	5.00	10.0	10312226	EPA375.2	14808-79-8	05/23/16
			Chlorophyll a	0.150	ug/L	1.00	0.0200	0.150	10312315	SM10200 H	479-61-8	05/23/16
			Total Phosphorus(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10312410	EPA365.1	7723-14-0	05/25/16
			Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10312429	EPA353.2	14797-55-8	05/12/16 01:31 PM
			Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10312429	EPA353.2	14797-65-0	05/12/16 01:31 PM
			Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10312462	EPA350.1	7664-41-7	05/25/16
			TOC	1.23 I	mg/L	1.00	1.00	2.00	10312483	SM5310 C	E701250	05/25/16
			Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10312833	EPA245.1	7439-97-6	05/18/16



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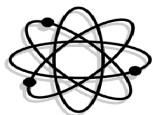
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 Marathon, FL 33050

PO #: 15350  
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Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.479		0				OrgNit		
Total Nitrogen(as N)	0.479		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		05/25/16
Enterococci	1.00	cfu/100mL	1.00	1.00	1.00	10311223	EPA1600		05/11/16 10:50 AM
Fecal Coliform	1.00 U	cfu/100mL	1.00	1.00	1.00	10311224	SM9222 D	E761792	05/11/16 11:05 AM
Iron	0.0100 U	mg/L	1.00	0.0100	0.0200	10311318	EPA200.7	7439-89-6	05/12/16
Aluminum	0.0229	mg/L	1.00	0.0100	0.0200	10311531	EPA200.8	7429-90-5	05/12/16
Arsenic	0.00480	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-38-2	05/12/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10311531	EPA200.8	7440-43-9	05/12/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-47-3	05/12/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7439-92-1	05/12/16
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-02-0	05/12/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10311531	EPA200.8	7440-66-6	05/12/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10311534	EPA365.1	14265-44-2	05/12/16 03:41 PM
TDS	38500	mg/L	1.00	2.50	5.00	10311781	SM2540 C	10-33-3	05/14/16
TSS	13.3	mg/L	1.00	1.00	2.00	10311945	SM2540 D	E1642818	05/18/16
TKN(as N)	0.479	mg/L	1.00	0.200	0.400	10312089	EPA351.2	7727-37-9	05/20/16
Chloride	20200	mg/L	100	400	800	10312107	SM4500-CI E	16887-00-6	05/21/16
Sulfate	3100	mg/L	40.0	200	400	10312226	EPA375.2	14808-79-8	05/23/16
Chlorophyll a	0.150	ug/L	1.00	0.0200	0.150	10312315	SM10200 H	479-61-8	05/23/16
Total Phosphorus(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10312410	EPA365.1	7723-14-0	05/25/16
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10312429	EPA353.2	14797-55-8	05/12/16 01:31 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10312429	EPA353.2	14797-65-0	05/12/16 01:31 PM
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10312462	EPA350.1	7664-41-7	05/25/16
TOC	1.00 U	mg/L	1.00	1.00	2.00	10312483	SM5310 C	E701250	05/25/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10312833	EPA245.1	7439-97-6	05/18/16

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed



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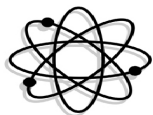
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Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.457		0				OrgNit		
Total Nitrogen(as N)	0.457		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		05/25/16
Enterococci	2.00	cfu/100mL	1.00	1.00	1.00	10311223	EPA1600		05/11/16 10:50 AM
Fecal Coliform	1.00 U	cfu/100mL	1.00	1.00	1.00	10311224	SM9222 D	E761792	05/11/16 11:05 AM
Iron	0.0100 U	mg/L	1.00	0.0100	0.0200	10311318	EPA200.7	7439-89-6	05/12/16
Aluminum	0.0250	mg/L	1.00	0.0100	0.0200	10311531	EPA200.8	7429-90-5	05/12/16
Arsenic	0.00460	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-38-2	05/12/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10311531	EPA200.8	7440-43-9	05/12/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-47-3	05/12/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7439-92-1	05/12/16
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-02-0	05/12/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10311531	EPA200.8	7440-66-6	05/12/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10311534	EPA365.1	14265-44-2	05/12/16 03:41 PM
TDS	39300	mg/L	1.00	2.50	5.00	10311781	SM2540 C	10-33-3	05/14/16
TSS	9.75	mg/L	1.00	1.00	2.00	10311945	SM2540 D	E1642818	05/18/16
TKN(as N)	0.457	mg/L	1.00	0.200	0.400	10312089	EPA351.2	7727-37-9	05/20/16
Chloride	20800	mg/L	100	400	800	10312107	SM4500-CI E	16887-00-6	05/21/16
Sulfate	3130	mg/L	40.0	200	400	10312226	EPA375.2	14808-79-8	05/23/16
Chlorophyll a	0.130 I	ug/L	1.00	0.0200	0.150	10312315	SM10200 H	479-61-8	05/23/16
Total Phosphorus(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10312410	EPA365.1	7723-14-0	05/25/16
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10312429	EPA353.2	14797-55-8	05/12/16 01:31 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10312429	EPA353.2	14797-65-0	05/12/16 01:31 PM
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10312462	EPA350.1	7664-41-7	05/25/16
TOC	1.00 U	mg/L	1.00	1.00	2.00	10312483	SM5310 C	E701250	05/25/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10312834	EPA245.1	7439-97-6	05/18/16

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed



# FLOWERS CHEMICAL LABORATORIES INC.

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Phone: 407-339-5984 E83018 (Main Lab)  
 Phone: 772-343-8006 E86562 (South Lab)  
 Phone: 850-973-6878 E82405 (North Lab)  
 Phone: 305-743-8598 E35834 (Keys Lab)

Florida Keys Aqueduct Authority-WWTP  
 3375 Overseas Hwy  
 Marathon, FL 33050

PO #: 15350  
 Client Project #: Cudjoe Key -Q- SW  
 Date Sampled: May 11, 2016  
 Jun 1, 2016; Invoice: 298271

Lab #: 298271SW4 Sampled: 05/11/16 07:55 AM Desc: CK-5									
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.367		0				OrgNit		
Total Nitrogen(as N)	0.367		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		05/25/16
Enterococci	2.00	cfu/100mL	1.00	1.00	1.00	10311223	EPA1600		05/11/16 10:50 AM
Fecal Coliform	1.00 U	cfu/100mL	1.00	1.00	1.00	10311224	SM9222 D	E761792	05/11/16 11:05 AM
Iron	0.0100 U	mg/L	1.00	0.0100	0.0200	10311318	EPA200.7	7439-89-6	05/12/16
Aluminum	0.0123 I	mg/L	1.00	0.0100	0.0200	10311531	EPA200.8	7429-90-5	05/12/16
Arsenic	0.00500	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-38-2	05/12/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10311531	EPA200.8	7440-43-9	05/12/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-47-3	05/12/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7439-92-1	05/12/16
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-02-0	05/12/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10311531	EPA200.8	7440-66-6	05/12/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10311534	EPA365.1	14265-44-2	05/12/16 03:41 PM
TDS	28300	mg/L	1.00	2.50	5.00	10311781	SM2540 C	10-33-3	05/14/16
TSS	14.6	mg/L	1.00	1.00	2.00	10311945	SM2540 D	E1642818	05/18/16
TKN(as N)	0.367 I	mg/L	1.00	0.200	0.400	10312089	EPA351.2	7727-37-9	05/20/16
Chloride	20400	mg/L	100	400	800	10312107	SM4500-CI E	16887-00-6	05/21/16
Sulfate	3260	mg/L	40.0	200	400	10312226	EPA375.2	14808-79-8	05/23/16
Chlorophyll a	0.140 I	ug/L	1.00	0.0200	0.150	10312315	SM10200 H	479-61-8	05/23/16
Total Phosphorus(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10312410	EPA365.1	7723-14-0	05/25/16
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10312429	EPA353.2	14797-55-8	05/12/16 01:31 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10312429	EPA353.2	14797-65-0	05/12/16 01:31 PM
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10312462	EPA350.1	7664-41-7	05/25/16
TOC	1.00 U	mg/L	1.00	1.00	2.00	10312483	SM5310 C	E701250	05/25/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10312834	EPA245.1	7439-97-6	05/18/16

Lab #: 298271SW5 Sampled: 05/11/16 08:10 AM Desc: CK-8									
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed





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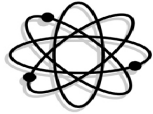
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Florida Keys Aqueduct Authority-WWTP  
 3375 Overseas Hwy  
 Marathon, FL 33050

PO #: 15350  
 Client Project #: Cudjoe Key -Q- SW  
 Date Sampled: May 11, 2016  
 Jun 1, 2016; Invoice: 298271

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.401		0				OrgNit		
Total Nitrogen(as N)	0.411		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		05/25/16
Enterococci	4.00	cfu/100mL	1.00	1.00	1.00	10311223	EPA1600		05/11/16 10:50 AM
Fecal Coliform	1.00 U	cfu/100mL	1.00	1.00	1.00	10311224	SM9222 D	E761792	05/11/16 11:05 AM
Iron	0.0100 U	mg/L	1.00	0.0100	0.0200	10311318	EPA200.7	7439-89-6	05/12/16
Aluminum	0.0220	mg/L	1.00	0.0100	0.0200	10311531	EPA200.8	7429-90-5	05/12/16
Arsenic	0.00520	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-38-2	05/12/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10311531	EPA200.8	7440-43-9	05/12/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-47-3	05/12/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7439-92-1	05/12/16
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-02-0	05/12/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10311531	EPA200.8	7440-66-6	05/12/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10311534	EPA365.1	14265-44-2	05/12/16 03:41 PM
TDS	40500	mg/L	1.00	2.50	5.00	10311781	SM2540 C	10-33-3	05/14/16
TSS	9.00	mg/L	1.00	1.00	2.00	10311945	SM2540 D	E1642818	05/18/16
TKN(as N)	0.411	mg/L	1.00	0.200	0.400	10312089	EPA351.2	7727-37-9	05/20/16
Chloride	21600	mg/L	100	400	800	10312107	SM4500-CI E	16887-00-6	05/21/16
Sulfate	3220	mg/L	40.0	200	400	10312226	EPA375.2	14808-79-8	05/23/16
Chlorophyll a	0.200	ug/L	1.00	0.0200	0.150	10312315	SM10200 H	479-61-8	05/23/16
Total Phosphorus(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10312410	EPA365.1	7723-14-0	05/25/16
Nitrate(as N)	0.0370	mg/L	1.00	0.0100	0.0200	10312429	EPA353.2	14797-55-8	05/12/16 01:31 PM
Nitrite(as N)	0.0200 I	mg/L	1.00	0.0200	0.0400	10312429	EPA353.2	14797-65-0	05/12/16 01:31 PM
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10312462	EPA350.1	7664-41-7	05/25/16
TOC	1.11 I	mg/L	1.00	1.00	2.00	10312483	SM5310 C	E701250	05/25/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10312834	EPA245.1	7439-97-6	05/18/16

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed



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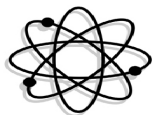
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Florida Keys Aqueduct Authority-WWTP  
3375 Overseas Hwy  
Marathon, FL 33050

PO #: 15350  
Client Project #: Cudjoe Key -Q- SW  
Date Sampled: May 11, 2016  
Jun 1, 2016; Invoice: 298271

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.348		0				OrgNit		
Total Nitrogen(as N)	0.367		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		05/25/16
Enterococci	2.00	cfu/100mL	1.00	1.00	1.00	10311223	EPA1600		05/11/16 10:50 AM
Fecal Coliform	1.00 U	cfu/100mL	1.00	1.00	1.00	10311224	SM9222 D	E761792	05/11/16 11:05 AM
Iron	0.0100 U	mg/L	1.00	0.0100	0.0200	10311318	EPA200.7	7439-89-6	05/12/16
Aluminum	0.0139 I	mg/L	1.00	0.0100	0.0200	10311531	EPA200.8	7429-90-5	05/12/16
Arsenic	0.00440	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-38-2	05/12/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10311531	EPA200.8	7440-43-9	05/12/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-47-3	05/12/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7439-92-1	05/12/16
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-02-0	05/12/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10311531	EPA200.8	7440-66-6	05/12/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10311534	EPA365.1	14265-44-2	05/12/16 03:41 PM
TDS	40200	mg/L	1.00	2.50	5.00	10311781	SM2540 C	10-33-3	05/14/16
TSS	16.6	mg/L	1.00	1.00	2.00	10311945	SM2540 D	E1642818	05/18/16
TKN(as N)	0.348 I	mg/L	1.00	0.200	0.400	10312089	EPA351.2	7727-37-9	05/20/16
Chloride	20400	mg/L	100	400	800	10312107	SM4500-CI E	16887-00-6	05/21/16
Sulfate	3300	mg/L	40.0	200	400	10312226	EPA375.2	14808-79-8	05/23/16
Chlorophyll a	0.160	ug/L	1.00	0.0200	0.150	10312315	SM10200 H	479-61-8	05/23/16
Total Phosphorus(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10312410	EPA365.1	7723-14-0	05/25/16
Nitrate(as N)	0.0190 I	mg/L	1.00	0.0100	0.0200	10312429	EPA353.2	14797-55-8	05/12/16 01:31 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10312429	EPA353.2	14797-65-0	05/12/16 01:31 PM
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10312462	EPA350.1	7664-41-7	05/25/16
TOC	1.00 U	mg/L	1.00	1.00	2.00	10312483	SM5310 C	E701250	05/25/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10312834	EPA245.1	7439-97-6	05/18/16

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed



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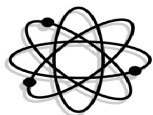
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Florida Keys Aqueduct Authority-WWTP  
 3375 Overseas Hwy  
 Marathon, FL 33050

PO #: 15350  
 Client Project #: Cudjoe Key -Q- SW  
 Date Sampled: May 11, 2016  
 Jun 1, 2016; Invoice: 298271

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.242		0				OrgNit		
Total Nitrogen(as N)	0.242		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		05/25/16
Enterococci	2.00	cfu/100mL	1.00	1.00	1.00	10311223	EPA1600		05/11/16 10:50 AM
Fecal Coliform	1.00 U	cfu/100mL	1.00	1.00	1.00	10311224	SM9222 D	E761792	05/11/16 11:05 AM
Iron	0.0100 U	mg/L	1.00	0.0100	0.0200	10311318	EPA200.7	7439-89-6	05/12/16
Aluminum	0.0236	mg/L	1.00	0.0100	0.0200	10311531	EPA200.8	7429-90-5	05/12/16
Arsenic	0.00480	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-38-2	05/12/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10311531	EPA200.8	7440-43-9	05/12/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-47-3	05/12/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7439-92-1	05/12/16
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-02-0	05/12/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10311531	EPA200.8	7440-66-6	05/12/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10311534	EPA365.1	14265-44-2	05/12/16 03:41 PM
TDS	40000	mg/L	1.00	2.50	5.00	10311781	SM2540 C	10-33-3	05/14/16
TSS	8.63	mg/L	1.00	1.00	2.00	10311945	SM2540 D	E1642818	05/18/16
TKN(as N)	0.242 l	mg/L	1.00	0.200	0.400	10312089	EPA351.2	7727-37-9	05/20/16
Chloride	20900	mg/L	100	400	800	10312107	SM4500-CI E	16887-00-6	05/21/16
Sulfate	3100	mg/L	40.0	200	400	10312226	EPA375.2	14808-79-8	05/23/16
Chlorophyll a	0.170	ug/L	1.00	0.0200	0.150	10312315	SM10200 H	479-61-8	05/23/16
Total Phosphorus(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10312410	EPA365.1	7723-14-0	05/25/16
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10312429	EPA353.2	14797-55-8	05/12/16 01:31 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10312429	EPA353.2	14797-65-0	05/12/16 01:31 PM
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10312462	EPA350.1	7664-41-7	05/25/16
TOC	1.00 U	mg/L	1.00	1.00	2.00	10312483	SM5310 C	E701250	05/25/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10312834	EPA245.1	7439-97-6	05/18/16

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed



# FLOWERS CHEMICAL LABORATORIES INC.

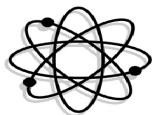
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Florida Keys Aqueduct Authority-WWTP  
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 Marathon, FL 33050

PO #: 15350  
 Client Project #: Cudjoe Key -Q- SW  
 Date Sampled: May 11, 2016  
 Jun 1, 2016; Invoice: 298271

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.577		0				OrgNit		
Total Nitrogen(as N)	0.577		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		05/25/16
Enterococci	2.00	cfu/100mL	1.00	1.00	1.00	10311223	EPA1600		05/11/16 10:50 AM
Fecal Coliform	1.00 U	cfu/100mL	1.00	1.00	1.00	10311224	SM9222 D	E761792	05/11/16 11:05 AM
Iron	0.0100 U	mg/L	1.00	0.0100	0.0200	10311318	EPA200.7	7439-89-6	05/12/16
Aluminum	0.0354	mg/L	1.00	0.0100	0.0200	10311531	EPA200.8	7429-90-5	05/12/16
Arsenic	0.00560	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-38-2	05/12/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10311531	EPA200.8	7440-43-9	05/12/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-47-3	05/12/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7439-92-1	05/12/16
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10311531	EPA200.8	7440-02-0	05/12/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10311531	EPA200.8	7440-66-6	05/12/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10311534	EPA365.1	14265-44-2	05/12/16 03:41 PM
TDS	53000	mg/L	1.00	2.50	5.00	10311781	SM2540 C	10-33-3	05/14/16
TSS	19.1	mg/L	1.00	1.00	2.00	10311945	SM2540 D	E1642818	05/18/16
TKN(as N)	0.577	mg/L	1.00	0.200	0.400	10312089	EPA351.2	7727-37-9	05/20/16
Chloride	26000	mg/L	100	400	800	10312107	SM4500-CI E	16887-00-6	05/21/16
Sulfate	3840	mg/L	40.0	200	400	10312226	EPA375.2	14808-79-8	05/23/16
Chlorophyll a	0.380	ug/L	1.00	0.0200	0.150	10312315	SM10200 H	479-61-8	05/23/16
Total Phosphorus(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10312410	EPA365.1	7723-14-0	05/25/16
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10312429	EPA353.2	14797-55-8	05/12/16 01:31 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10312429	EPA353.2	14797-65-0	05/12/16 01:31 PM
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10312462	EPA350.1	7664-41-7	05/25/16
TOC	2.52	mg/L	1.00	1.00	2.00	10312483	SM5310 C	E701250	05/25/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10312834	EPA245.1	7439-97-6	05/18/16



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Florida Keys Aqueduct Authority-WWTP  
3375 Overseas Hwy  
Marathon, FL 33050

PO #: 15350  
Client Project #: Cudjoe Key -Q- SW  
Date Sampled: May 11, 2016  
Jun 1, 2016; Invoice: 298271

## Quality Report

**Quality Control Batch:** 10274203

**Analyst:** PCW

**Blank**

Unionized NH<sub>3</sub>(as N)

**Result**

0.000100U

**Units**

mg/L

**Quality Control Batch:** 10311223

**Analyst:** TDC

**Blank**

Enterococci

**Result**

1.00U

**Units**

cfu/100mL

**Quality Control Batch:** 10311224

**Analyst:** TDC

**Blank**

Fecal Coliform

**Result**

1.00U

**Units**

cfu/100mL

**Quality Control Batch:** 10311318

**Analyst:** EVB

**Blank**

Iron

**Result**

0.0100U

**Units**

mg/L

**Laboratory Control Sample**

Iron

**Result**

4.91

**Units**

mg/L

**Spike**

5.00

**%REC**

98.29

**%REC Lim**

85.00-115.00

**Matrix Spike**

Iron

**Result**

4.82

**Units**

mg/L

**Spike**

5.00

**%REC**

96.48

**%REC Lim**

70.00-130.00

**Sample**

0.0100U

**Matrix Spike Duplicate**

Iron

**Result**

4.78

**Units**

mg/L

**Spike**

5.00

**%REC**

95.66

**%REC Lim**

70.00-130.00

**Sample**

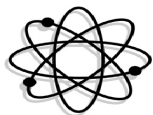
0.0100U

**RPD**

0.86

**RPD Lim**

20.00



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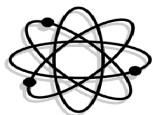
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PO #: 15350  
Client Project #: Cudjoe Key -Q- SW  
Date Sampled: May 11, 2016  
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Quality Control Batch: 10311531		Analyst: EVB						
<b>Blank</b>	<b>Result</b>	<b>Units</b>						
Aluminum	0.0100U	mg/L						
Arsenic	0.00100U	mg/L						
Cadmium	0.000200U	mg/L						
Chromium	0.00100U	mg/L						
Lead	0.00100U	mg/L						
Nickel	0.00100U	mg/L						
Zinc	0.0100U	mg/L						
<b>Laboratory Control Sample</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>			
Aluminum	0.0992	mg/L	0.100	99.20	85.00-115.00			
Arsenic	0.0985	mg/L	0.100	98.50	85.00-115.00			
Cadmium	0.103	mg/L	0.100	103.20	85.00-115.00			
Chromium	0.111	mg/L	0.100	110.80	85.00-115.00			
Lead	0.110	mg/L	0.100	110.40	85.00-115.00			
Nickel	0.111	mg/L	0.100	110.50	85.00-115.00			
Zinc	0.111	mg/L	0.100	110.60	85.00-115.00			
<b>Matrix Spike</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>		
Aluminum	0.0848	mg/L	0.100	84.80	70.00-130.00	0.0100U		
Arsenic	0.110	mg/L	0.100	110.30	70.00-130.00	0.00100U		
Cadmium	0.105	mg/L	0.100	105.40	70.00-130.00	0.000200U		
Chromium	0.0958	mg/L	0.100	95.80	70.00-130.00	0.00100U		
Lead	0.0826	mg/L	0.100	82.60	70.00-130.00	0.00100U		
Nickel	0.111	mg/L	0.100	110.70	70.00-130.00	0.00100U		
Zinc	0.120	mg/L	0.100	108.80	70.00-130.00	0.0115		
<b>Matrix Spike Duplicate</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
Aluminum	0.0853	mg/L	0.100	85.30	70.00-130.00	0.0100U	0.59	20.00
Arsenic	0.109	mg/L	0.100	109.20	70.00-130.00	0.00100U	1.00	20.00



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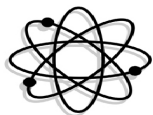
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PO #: 15350  
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Quality Control Batch: 10311531		Analyst: EVB						
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Cadmium	0.106	mg/L	0.100	105.90	70.00-130.00	0.000200U	0.47	20.00
Chromium	0.0937	mg/L	0.100	93.70	70.00-130.00	0.00100U	2.22	20.00
Lead	0.0830	mg/L	0.100	83.00	70.00-130.00	0.00100U	0.48	20.00
Nickel	0.110	mg/L	0.100	110.20	70.00-130.00	0.00100U	0.45	20.00
Zinc	0.127	mg/L	0.100	115.30	70.00-130.00	0.0115	5.26	20.00

Quality Control Batch: 10311534		Analyst: PCW						
Blank	Result	Units						
Orthophosphate(as P)	0.00200U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Orthophosphate(as P)	1.05	mg/L	1.00	104.91	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Orthophosphate(as P)	0.920	mg/L	0.500	113.01	85.00-115.00	0.355		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Orthophosphate(as P)	0.923	mg/L	0.500	113.56	85.00-115.00	0.355	0.30	20.00

Quality Control Batch: 10311781		Analyst: PLB						
Blank	Result	Units						
TDS	2.50U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
TDS	1510	mg/L	1500	100.40	50.00-150.00			



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Quality Control Batch: 10312089		Analyst: VLB						
<b>Blank</b>	<b>Result</b>	<b>Units</b>						
TKN(as N)	0.200U	mg/L						
<b>Laboratory Control Sample</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>			
TKN(as N)	2.93	mg/L	3.00	97.59	80.00-120.00			
<b>Matrix Spike</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>		
TKN(as N)	3.06	mg/L	3.00	75.81	80.00-120.00	0.787		
<b>Matrix Spike Duplicate</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
TKN(as N)	3.13	mg/L	3.00	77.96	80.00-120.00	0.787	2.08	20.00
Quality Control Batch: 10312107		Analyst: VLB						
<b>Blank</b>	<b>Result</b>	<b>Units</b>						
Chloride	4.00U	mg/L						
<b>Laboratory Control Sample</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>			
Chloride	102	mg/L	100	101.58	80.00-120.00			
<b>Matrix Spike</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>		
Chloride	195	mg/L	100	96.24	80.00-120.00	99.1		
<b>Matrix Spike Duplicate</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
Chloride	184	mg/L	100	85.25	80.00-120.00	99.1	5.79	20.00
Quality Control Batch: 10312226		Analyst: PCW						
<b>Blank</b>	<b>Result</b>	<b>Units</b>						
Sulfate	5.00U	mg/L						
<b>Laboratory Control Sample</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>			





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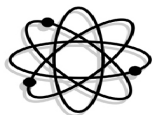
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Florida Keys Aqueduct Authority-WWTP  
3375 Overseas Hwy  
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<b>Quality Control Batch:</b> 10312226		<b>Analyst:</b> PCW							
<b>Laboratory Control Sample</b>		<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>			
Sulfate		65.0	mg/L	60.0	108.33	85.00-115.00			
<b>Matrix Spike</b>		<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>		
Sulfate		201	mg/L	50.0	46.00	85.00-115.00	178		
<b>Matrix Spike Duplicate</b>		<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
Sulfate		204	mg/L	50.0	52.00	85.00-115.00	178	1.48	20.00
<b>Quality Control Batch:</b> 10312315		<b>Analyst:</b> ECG							
<b>Blank</b>		<b>Result</b>	<b>Units</b>						
Chlorophyll a		0.0200U	ug/L						
<b>Quality Control Batch:</b> 10312410		<b>Analyst:</b> VLB							
<b>Blank</b>		<b>Result</b>	<b>Units</b>						
Total Phosphorus(as P)		0.00200U	mg/L						
<b>Laboratory Control Sample</b>		<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>			
Total Phosphorus(as P)		0.470	mg/L	0.500	93.90	85.00-115.00			
<b>Matrix Spike</b>		<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>		
Total Phosphorus(as P)		0.161	mg/L	0.200	79.56	85.00-115.00	0.00200		
<b>Matrix Spike Duplicate</b>		<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
Total Phosphorus(as P)		0.166	mg/L	0.200	81.92	85.00-115.00	0.00200	2.89	20.00
<b>Quality Control Batch:</b> 10312429		<b>Analyst:</b> PCW							
<b>Blank</b>		<b>Result</b>	<b>Units</b>						
Nitrate(as N)		0.0100U	mg/L						



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**Quality Control Batch: 10312429      Analyst: PCW**

Blank	Result	Units
Nitrite(as N)	0.0200U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Nitrate(as N)	1.08	mg/L	1.00	108.00	85.00-115.00
Nitrite(as N)	1.02	mg/L	1.00	102.00	85.00-115.00

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Nitrite(as N)	3.59	mg/L	4.00	89.75	85.00-115.00	0.400U

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Nitrite(as N)	3.60	mg/L	4.00	90.00	85.00-115.00	0.400U	0.28	20.00

**Quality Control Batch: 10312483      Analyst: PCW**

Blank	Result	Units
TOC	1.00U	mg/L

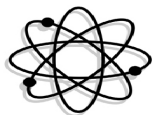
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
TOC	10.5	mg/L	10.0	104.93	80.00-120.00

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
TOC	13.1	mg/L	10.0	102.34	80.00-120.00	2.86

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
TOC	13.2	mg/L	10.0	102.98	80.00-120.00	2.86	0.48	20.00

**Quality Control Batch: 10312834      Analyst: EVB**

Blank	Result	Units
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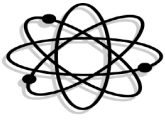
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Quality Control Batch: 10312834		Analyst: EVB						
<b>Blank</b>	<b>Result</b>	<b>Units</b>						
Mercury	0.0000200U	mg/L						
<b>Laboratory Control Sample</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>			
Mercury	0.000964	mg/L	0.00100	96.37	80.00-120.00			
<b>Matrix Spike</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>		
Mercury	0.00280	mg/L	0.00300	95.54	80.00-120.00	-0.0000633		
<b>Matrix Spike Duplicate</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
Mercury	0.00281	mg/L	0.00300	95.78	80.00-120.00	-0.0000633	0.25	20.00



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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.

### 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  
Field Data

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
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.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
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.