

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

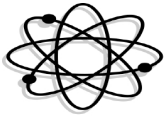
PO #: 15350
Client Project #: Cudjoe Key WWTP-Q-SW
Date Sampled: Feb 17, 2016
Feb 29, 2016; Invoice: 290748

Report Summary

Date Received: Feb 17, 2016

FCL Project Manager: Thomas D. Cross

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
290748SW1	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			
290748SW2	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			
290748SW3	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	



FLOWERS CHEMICAL LABORATORIES INC.

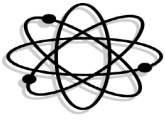
P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

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 WWTP-Q-SW
Date Sampled: Feb 17, 2016
Feb 29, 2016; Invoice: 290748

		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			
290748SW4	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			
290748SW5	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	



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 WWTP-Q-SW
Date Sampled: Feb 17, 2016
Feb 29, 2016; Invoice: 290748

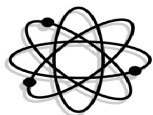
TotNit

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



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

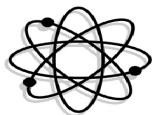
Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

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

PO #: 15350
Client Project #: Cudjoe Key WWTP-Q-SW
Date Sampled: Feb 17, 2016
Feb 29, 2016; Invoice: 290748

Analysis Report

Lab #:	Sampled:	Desc:										
290748SW1	02/17/16 07:50 AM	C-23	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
			Organic Nitrogen	0.404		0				OrgNit		
			Total Nitrogen(as N)	0.450		0				TotNit	17778-88-0	
			Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		02/23/16
			Enterococci	8.00	cfu/100mL	1.00	1.00	1.00	10304271	EPA1600		02/17/16 01:45 PM
			Fecal Coliform	2.00	cfu/100mL	1.00	1.00	1.00	10304272	SM9222 D	E761792	02/17/16 01:55 PM
			Nitrate(as N)	0.0157 I	mg/L	1.00	0.0100	0.0200	10304273	EPA353.2	14797-55-8	02/18/16 12:48 PM
			Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10304273	EPA353.2	14797-65-0	02/18/16 12:48 PM
			Aluminum	0.0381	mg/L	1.00	0.0100	0.0200	10304430	EPA200.8	7429-90-5	02/18/16
			Arsenic	1.46	mg/L	1.00	0.00100	0.00200	10304430	EPA200.8	7440-38-2	02/18/16
			Cadmium	0.00170	mg/L	1.00	0.000200	0.000400	10304430	EPA200.8	7440-43-9	02/18/16
			Chromium	0.114	mg/L	1.00	0.00100	0.00200	10304430	EPA200.8	7440-47-3	02/18/16
			Lead	1.44	mg/L	1.00	0.00100	0.00200	10304430	EPA200.8	7439-92-1	02/18/16
			Nickel	0.00490	mg/L	1.00	0.00100	0.00200	10304430	EPA200.8	7440-02-0	02/18/16
			Zinc	0.0484	mg/L	1.00	0.0100	0.0200	10304430	EPA200.8	7440-66-6	02/18/16
			Iron	0.0161 I	mg/L	1.00	0.0100	0.0200	10304446	EPA200.7	7439-89-6	02/18/16
			TDS	38500	mg/L	1.00	2.50	5.00	10304524	SM2540 C	10-33-3	02/18/16
			Chloride	20800	mg/L	300	1200	2400	10304557	SM4500-CI E	16887-00-6	02/19/16
			Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10304628	EPA350.1	7664-41-7	02/23/16
			Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10304670	EPA245.1	7439-97-6	02/24/16
			Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10304713	EPA365.1	14265-44-2	02/18/16 12:58 PM
			TKN(as N)	0.414 J	mg/L	1.00	0.200	0.400	10304720	EPA351.2	7727-37-9	02/24/16
			Sulfate	3980	mg/L	20.0	100	200	10304865	EPA375.2	14808-79-8	02/25/16
			TOC	1.00 U	mg/L	1.00	1.00	2.00	10304888	SM5310 C	E701250	02/25/16
			Chlorophyll a	1.92 I	mg/m3	1.00	1.00	2.00	10304975	SM10200 H	479-61-8	02/26/16
			Total Phosphorus(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10305128	EPA365.1	7723-14-0	02/29/16
			TSS	9.13	mg/L	1.00	1.00	2.00	10305204	SM2540 D	E1642818	02/19/16



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

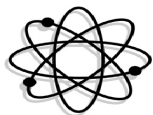
Phone: 407-339-5984 E83018 (Main Lab)
 Phone: 772-343-8006 E86562 (South Lab)
 Phone: 850-973-6878 E82405 (North Lab)
 Phone: 305-743-8598 E35834 (Keys Lab)

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

PO #: 15350
 Client Project #: Cudjoe Key WWTP-Q-SW
 Date Sampled: Feb 17, 2016
 Feb 29, 2016; Invoice: 290748

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.364		0				OrgNit		
Total Nitrogen(as N)	0.404		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		02/23/16
Enterococci	1.00 U	cfu/100mL	1.00	1.00	1.00	10304271	EPA1600		02/17/16 01:45 PM
Fecal Coliform	1.00 U	cfu/100mL	1.00	1.00	1.00	10304272	SM9222 D	E761792	02/17/16 01:55 PM
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10304273	EPA353.2	14797-55-8	02/18/16 12:48 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10304273	EPA353.2	14797-65-0	02/18/16 12:48 PM
Aluminum	0.0180 I	mg/L	1.00	0.0100	0.0200	10304430	EPA200.8	7429-90-5	02/18/16
Arsenic	0.204	mg/L	1.00	0.00100	0.00200	10304430	EPA200.8	7440-38-2	02/18/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10304430	EPA200.8	7440-43-9	02/18/16
Chromium	0.0454	mg/L	1.00	0.00100	0.00200	10304430	EPA200.8	7440-47-3	02/18/16
Lead	4.58	mg/L	1.00	0.00100	0.00200	10304430	EPA200.8	7439-92-1	02/18/16
Nickel	0.00510	mg/L	1.00	0.00100	0.00200	10304430	EPA200.8	7440-02-0	02/18/16
Zinc	0.0996	mg/L	1.00	0.0100	0.0200	10304430	EPA200.8	7440-66-6	02/18/16
Iron	0.0118 I	mg/L	1.00	0.0100	0.0200	10304446	EPA200.7	7439-89-6	02/18/16
TDS	37600	mg/L	1.00	2.50	5.00	10304524	SM2540 C	10-33-3	02/18/16
Chloride	28300	mg/L	300	1200	2400	10304557	SM4500-CI E	16887-00-6	02/19/16
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10304628	EPA350.1	7664-41-7	02/23/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10304670	EPA245.1	7439-97-6	02/24/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10304713	EPA365.1	14265-44-2	02/18/16 12:58 PM
TKN(as N)	0.374 I	mg/L	1.00	0.200	0.400	10304720	EPA351.2	7727-37-9	02/24/16
Sulfate	3800	mg/L	20.0	100	200	10304865	EPA375.2	14808-79-8	02/25/16
TOC	1.00 U	mg/L	1.00	1.00	2.00	10304888	SM5310 C	E701250	02/25/16
Chlorophyll a	1.00 U	mg/m3	1.00	1.00	2.00	10304975	SM10200 H	479-61-8	02/26/16
Total Phosphorus(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10305128	EPA365.1	7723-14-0	02/29/16
TSS	7.50	mg/L	1.00	1.00	2.00	10305204	SM2540 D	E1642818	02/19/16

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



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

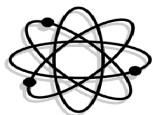
Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

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

PO #: 15350
Client Project #: Cudjoe Key WWTP-Q-SW
Date Sampled: Feb 17, 2016
Feb 29, 2016; Invoice: 290748

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.291		0				OrgNit		
Total Nitrogen(as N)	1.25		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		02/23/16
Enterococci	3.00	cfu/100mL	1.00	1.00	1.00	10304271	EPA1600		02/17/16 01:45 PM
Fecal Coliform	1.00 U	cfu/100mL	1.00	1.00	1.00	10304272	SM9222 D	E761792	02/17/16 01:55 PM
Nitrate(as N)	0.934	mg/L	1.00	0.0100	0.0200	10304273	EPA353.2	14797-55-8	02/18/16 12:48 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10304273	EPA353.2	14797-65-0	02/18/16 12:48 PM
Iron	0.0100 U	mg/L	1.00	0.0100	0.0200	10304446	EPA200.7	7439-89-6	02/18/16
TDS	38400	mg/L	1.00	2.50	5.00	10304524	SM2540 C	10-33-3	02/18/16
Chloride	23100	mg/L	300	1200	2400	10304557	SM4500-CI E	16887-00-6	02/19/16
Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10304586	EPA200.8	7429-90-5	02/22/16
Arsenic	0.00510	mg/L	1.00	0.00100	0.00200	10304586	EPA200.8	7440-38-2	02/22/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10304586	EPA200.8	7440-43-9	02/22/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10304586	EPA200.8	7440-47-3	02/22/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10304586	EPA200.8	7439-92-1	02/22/16
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10304586	EPA200.8	7440-02-0	02/22/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10304586	EPA200.8	7440-66-6	02/22/16
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10304628	EPA350.1	7664-41-7	02/23/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10304670	EPA245.1	7439-97-6	02/24/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10304713	EPA365.1	14265-44-2	02/18/16 12:58 PM
TKN(as N)	0.301 I	mg/L	1.00	0.200	0.400	10304720	EPA351.2	7727-37-9	02/24/16
Sulfate	3240	mg/L	20.0	100	200	10304882	EPA375.2	14808-79-8	02/25/16
TOC	1.00 U	mg/L	1.00	1.00	2.00	10304888	SM5310 C	E701250	02/25/16
Chlorophyll a	1.00 U	mg/m3	1.00	1.00	2.00	10304975	SM10200 H	479-61-8	02/26/16
Total Phosphorus(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10305128	EPA365.1	7723-14-0	02/29/16
TSS	8.63	mg/L	1.00	1.00	2.00	10305204	SM2540 D	E1642818	02/19/16

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



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

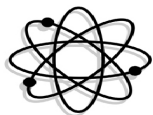
Phone: 407-339-5984 E83018 (Main Lab)
 Phone: 772-343-8006 E86562 (South Lab)
 Phone: 850-973-6878 E82405 (North Lab)
 Phone: 305-743-8598 E35834 (Keys Lab)

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

PO #: 15350
 Client Project #: Cudjoe Key WWTP-Q-SW
 Date Sampled: Feb 17, 2016
 Feb 29, 2016; Invoice: 290748

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.362		0				OrgNit		
Total Nitrogen(as N)	0.402		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		02/23/16
Enterococci	3.00	cfu/100mL	1.00	1.00	1.00	10304271	EPA1600		02/17/16 01:45 PM
Fecal Coliform	4.00	cfu/100mL	1.00	1.00	1.00	10304272	SM9222 D	E761792	02/17/16 01:55 PM
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10304273	EPA353.2	14797-55-8	02/18/16 12:48 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10304273	EPA353.2	14797-65-0	02/18/16 12:48 PM
Iron	0.0100 U	mg/L	1.00	0.0100	0.0200	10304446	EPA200.7	7439-89-6	02/18/16
TDS	37400	mg/L	1.00	2.50	5.00	10304524	SM2540 C	10-33-3	02/18/16
Chloride	22700	mg/L	300	1200	2400	10304557	SM4500-CI E	16887-00-6	02/19/16
Aluminum	0.0113 I	mg/L	1.00	0.0100	0.0200	10304586	EPA200.8	7429-90-5	02/22/16
Arsenic	0.00530	mg/L	1.00	0.00100	0.00200	10304586	EPA200.8	7440-38-2	02/22/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10304586	EPA200.8	7440-43-9	02/22/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10304586	EPA200.8	7440-47-3	02/22/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10304586	EPA200.8	7439-92-1	02/22/16
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10304586	EPA200.8	7440-02-0	02/22/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10304586	EPA200.8	7440-66-6	02/22/16
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10304628	EPA350.1	7664-41-7	02/23/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10304670	EPA245.1	7439-97-6	02/24/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10304713	EPA365.1	14265-44-2	02/18/16 12:58 PM
TKN(as N)	0.372 I	mg/L	1.00	0.200	0.400	10304720	EPA351.2	7727-37-9	02/24/16
Sulfate	3960	mg/L	20.0	100	200	10304882	EPA375.2	14808-79-8	02/25/16
TOC	1.00 U	mg/L	1.00	1.00	2.00	10304888	SM5310 C	E701250	02/25/16
Chlorophyll a	1.00 U	mg/m3	1.00	1.00	2.00	10304975	SM10200 H	479-61-8	02/26/16
Total Phosphorus(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10305128	EPA365.1	7723-14-0	02/29/16
TSS	8.88	mg/L	1.00	1.00	2.00	10305204	SM2540 D	E1642818	02/19/16

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



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 WWTP-Q-SW
 Date Sampled: Feb 17, 2016
 Feb 29, 2016; Invoice: 290748

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.340		0				OrgNit		
Total Nitrogen(as N)	0.380		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		02/23/16
Enterococci	15.0	cfu/100mL	1.00	1.00	1.00	10304271	EPA1600		02/17/16 01:45 PM
Fecal Coliform	1.00 U	cfu/100mL	1.00	1.00	1.00	10304272	SM9222 D	E761792	02/17/16 01:55 PM
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10304273	EPA353.2	14797-55-8	02/18/16 12:48 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10304273	EPA353.2	14797-65-0	02/18/16 12:48 PM
Iron	0.0100 U	mg/L	1.00	0.0100	0.0200	10304446	EPA200.7	7439-89-6	02/18/16
TDS	37900	mg/L	1.00	2.50	5.00	10304524	SM2540 C	10-33-3	02/18/16
Chloride	21500	mg/L	300	1200	2400	10304557	SM4500-CI E	16887-00-6	02/19/16
Aluminum	0.0147 I	mg/L	1.00	0.0100	0.0200	10304586	EPA200.8	7429-90-5	02/22/16
Arsenic	0.00530	mg/L	1.00	0.00100	0.00200	10304586	EPA200.8	7440-38-2	02/22/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10304586	EPA200.8	7440-43-9	02/22/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10304586	EPA200.8	7440-47-3	02/22/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10304586	EPA200.8	7439-92-1	02/22/16
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10304586	EPA200.8	7440-02-0	02/22/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10304586	EPA200.8	7440-66-6	02/22/16
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10304629	EPA350.1	7664-41-7	02/23/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10304670	EPA245.1	7439-97-6	02/24/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10304713	EPA365.1	14265-44-2	02/18/16 12:58 PM
TKN(as N)	0.350 I	mg/L	1.00	0.200	0.400	10304720	EPA351.2	7727-37-9	02/24/16
Sulfate	4040	mg/L	20.0	100	200	10304882	EPA375.2	14808-79-8	02/25/16
TOC	1.00 U	mg/L	1.00	1.00	2.00	10304888	SM5310 C	E701250	02/25/16
Chlorophyll a	1.00 U	mg/m3	1.00	1.00	2.00	10304975	SM10200 H	479-61-8	02/26/16
Total Phosphorus(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10305128	EPA365.1	7723-14-0	02/29/16
TSS	9.25	mg/L	1.00	1.00	2.00	10305204	SM2540 D	E1642818	02/19/16



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

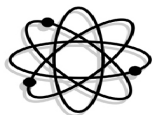
Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

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

PO #: 15350
Client Project #: Cudjoe Key WWTP-Q-SW
Date Sampled: Feb 17, 2016
Feb 29, 2016; Invoice: 290748

Quality Report

Quality Control Batch: 10274203		Analyst: PCW						
Blank	Result	Units						
Unionized NH3(as N)	0.000100U	mg/L						
Quality Control Batch: 10304271		Analyst: TDC						
Blank	Result	Units						
Enterococci	1.00U	cfu/100mL						
Quality Control Batch: 10304272		Analyst: TDC						
Blank	Result	Units						
Fecal Coliform	1.00U	cfu/100mL						
Quality Control Batch: 10304273		Analyst: PCW						
Blank	Result	Units						
Nitrate(as N)	0.0100U	mg/L						
Nitrite(as N)	0.0200U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Nitrate(as N)	1.07	mg/L	1.00	106.60	85.00-115.00			
Nitrite(as N)	0.994	mg/L	1.00	99.40	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Nitrite(as N)	4.22	mg/L	4.00	105.50	85.00-115.00	0.0200U		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Nitrite(as N)	4.23	mg/L	4.00	105.75	85.00-115.00	0.0200U	0.24	20.00



FLOWERS CHEMICAL LABORATORIES INC.

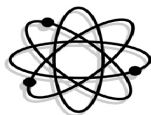
P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

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 WWTP-Q-SW
Date Sampled: Feb 17, 2016
Feb 29, 2016; Invoice: 290748

Quality Control Batch: 10304430		Analyst: EVB						
Blank	Result	Units						
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						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Aluminum	0.0967	mg/L	0.100	96.70	85.00-115.00			
Arsenic	0.104	mg/L	0.100	103.80	85.00-115.00			
Cadmium	0.0903	mg/L	0.100	90.30	85.00-115.00			
Chromium	0.103	mg/L	0.100	102.50	85.00-115.00			
Lead	0.0919	mg/L	0.100	91.90	85.00-115.00			
Nickel	0.101	mg/L	0.100	101.40	85.00-115.00			
Zinc	0.0948	mg/L	0.100	94.80	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Aluminum	0.0927	mg/L	0.100	92.70	70.00-130.00	0.0100U		
Arsenic	0.0780	mg/L	0.100	64.40	70.00-130.00	0.0136		
Cadmium	0.0823	mg/L	0.100	82.30	70.00-130.00	0.000200U		
Chromium	0.0809	mg/L	0.100	80.90	70.00-130.00	0.00100U		
Lead	0.0813	mg/L	0.100	81.30	70.00-130.00	0.00100U		
Nickel	0.0893	mg/L	0.100	89.30	70.00-130.00	0.00100U		
Zinc	0.0791	mg/L	0.100	67.80	70.00-130.00	0.0113		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Aluminum	0.0986	mg/L	0.100	98.60	70.00-130.00	0.0100U	6.17	20.00
Arsenic	0.0797	mg/L	0.100	66.10	70.00-130.00	0.0136	2.16	20.00



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

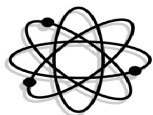
PO #: 15350
Client Project #: Cudjoe Key WWTP-Q-SW
Date Sampled: Feb 17, 2016
Feb 29, 2016; Invoice: 290748

Quality Control Batch: 10304430		Analyst: EVB						
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Cadmium	0.0825	mg/L	0.100	82.50	70.00-130.00	0.000200U	0.24	20.00
Chromium	0.0853	mg/L	0.100	85.30	70.00-130.00	0.00100U	5.29	20.00
Lead	0.0809	mg/L	0.100	80.90	70.00-130.00	0.00100U	0.49	20.00
Nickel	0.0905	mg/L	0.100	90.50	70.00-130.00	0.00100U	1.33	20.00
Zinc	0.0736	mg/L	0.100	62.30	70.00-130.00	0.0113	7.20	20.00

Quality Control Batch: 10304446		Analyst: EVB						
Blank	Result	Units						
Iron	0.0100U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Iron	5.13	mg/L	5.00	102.64	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Iron	4.15	mg/L	5.00	69.44	70.00-130.00	0.680		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Iron	4.74	mg/L	5.00	81.19	70.00-130.00	0.680	13.22	20.00

Quality Control Batch: 10304524		Analyst: PLB						
Blank	Result	Units						
TDS	2.50U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
TDS	1580	mg/L	1500	105.60	50.00-150.00			

Quality Control Batch: 10304557		Analyst: VLB						
Blank	Result	Units						



FLOWERS CHEMICAL LABORATORIES INC.

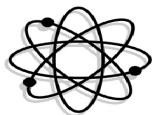
P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

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 WWTP-Q-SW
Date Sampled: Feb 17, 2016
Feb 29, 2016; Invoice: 290748

Quality Control Batch: 10304557		Analyst: VLB						
Blank	Result	Units						
Chloride	4.00U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Chloride	80.7	mg/L	80.0	100.86	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Chloride	63.8	mg/L	50.0	91.52	85.00-115.00	18.0		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Chloride	63.1	mg/L	50.0	90.20	85.00-115.00	18.0	1.04	20.00
Quality Control Batch: 10304586		Analyst: EVB						
Blank	Result	Units						
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						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Aluminum	0.110	mg/L	0.100	110.30	85.00-115.00			
Arsenic	0.0946	mg/L	0.100	94.60	85.00-115.00			
Cadmium	0.0983	mg/L	0.100	98.30	85.00-115.00			
Chromium	0.0920	mg/L	0.100	92.00	85.00-115.00			
Lead	0.102	mg/L	0.100	102.00	85.00-115.00			
Nickel	0.0938	mg/L	0.100	93.80	85.00-115.00			
Zinc	0.103	mg/L	0.100	103.40	85.00-115.00			



FLOWERS CHEMICAL LABORATORIES INC.

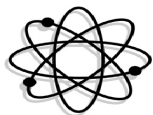
P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

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 WWTP-Q-SW
Date Sampled: Feb 17, 2016
Feb 29, 2016; Invoice: 290748

Quality Control Batch: 10304586		Analyst: EVB						
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Aluminum	0.0639	mg/L	0.100	63.90	70.00-130.00	0.0100U		
Arsenic	0.0937	mg/L	0.100	93.70	70.00-130.00	0.00100U		
Cadmium	0.0972	mg/L	0.100	97.20	70.00-130.00	0.000200U		
Chromium	0.0862	mg/L	0.100	86.20	70.00-130.00	0.00100U		
Lead	0.0935	mg/L	0.100	93.50	70.00-130.00	0.00100U		
Nickel	0.104	mg/L	0.100	102.10	70.00-130.00	0.00200		
Zinc	0.149	mg/L	0.100	108.70	70.00-130.00	0.0403		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Aluminum	0.0589	mg/L	0.100	58.90	70.00-130.00	0.0100U	8.14	20.00
Arsenic	0.0912	mg/L	0.100	91.20	70.00-130.00	0.00100U	2.70	20.00
Cadmium	0.0987	mg/L	0.100	98.70	70.00-130.00	0.000200U	1.53	20.00
Chromium	0.0807	mg/L	0.100	80.70	70.00-130.00	0.00100U	6.59	20.00
Lead	0.0921	mg/L	0.100	92.10	70.00-130.00	0.00100U	1.51	20.00
Nickel	0.104	mg/L	0.100	102.40	70.00-130.00	0.00200	0.29	20.00
Zinc	0.151	mg/L	0.100	110.40	70.00-130.00	0.0403	1.13	20.00
Quality Control Batch: 10304629		Analyst: PCW						
Blank	Result	Units						
Ammonia (as N)	0.0100U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Ammonia (as N)	0.474	mg/L	0.500	94.80	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Ammonia (as N)	0.939	mg/L	0.780	107.78	85.00-115.00	0.0983		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim



FLOWERS CHEMICAL LABORATORIES INC.

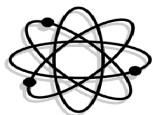
P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

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 WWTP-Q-SW
Date Sampled: Feb 17, 2016
Feb 29, 2016; Invoice: 290748

Quality Control Batch: 10304629		Analyst: PCW						
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Ammonia (as N)	0.985	mg/L	0.780	113.68	85.00-115.00	0.0983	4.78	20.00
Quality Control Batch: 10304670		Analyst: EVB						
Blank	Result	Units						
Mercury	2.10E-7	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Mercury	0.000992	mg/L	0.00100	99.15	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Mercury	0.00292	mg/L	0.00300	96.17	80.00-120.00	0.0000360		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Mercury	0.00295	mg/L	0.00300	97.07	80.00-120.00	0.0000360	0.92	20.00
Quality Control Batch: 10304720		Analyst: VLB						
Blank	Result	Units						
TKN(as N)	0.200U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
TKN(as N)	2.89	mg/L	3.00	96.39	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
TKN(as N)	2.93	mg/L	3.00	83.84	80.00-120.00	0.414		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
TKN(as N)	2.91	mg/L	3.00	83.34	80.00-120.00	0.414	0.52	20.00



FLOWERS CHEMICAL LABORATORIES INC.

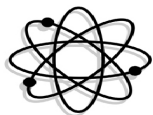
P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

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 WWTP-Q-SW
Date Sampled: Feb 17, 2016
Feb 29, 2016; Invoice: 290748

Quality Control Batch: 10304865		Analyst: PCW						
Blank	Result	Units						
Sulfate	5.00U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Sulfate	65.3	mg/L	60.0	108.83	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Sulfate	414	mg/L	100	102.00	85.00-115.00	312		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Sulfate	406	mg/L	100	94.00	85.00-115.00	312	1.95	20.00
Quality Control Batch: 10304882		Analyst: PCW						
Blank	Result	Units						
Sulfate	5.00U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Sulfate	66.3	mg/L	60.0	110.50	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Sulfate	107	mg/L	100	104.49	85.00-115.00	2.51		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Sulfate	120	mg/L	100	117.49	85.00-115.00	2.51	11.45	20.00
Quality Control Batch: 10304888		Analyst: PCW						
Blank	Result	Units						
TOC	1.00U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			



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 WWTP-Q-SW
Date Sampled: Feb 17, 2016
Feb 29, 2016; Invoice: 290748

Quality Control Batch: 10304888		Analyst: PCW							
Laboratory Control Sample		Result	Units	Spike	%REC	%REC Lim			
TOC		9.91	mg/L	10.0	99.12	80.00-120.00			
Matrix Spike		Result	Units	Spike	%REC	%REC Lim	Sample		
TOC		21.6	mg/L	10.0	78.21	80.00-120.00	13.8		
Matrix Spike Duplicate		Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
TOC		21.9	mg/L	10.0	81.24	80.00-120.00	13.8	1.39	20.00
Quality Control Batch: 10304975		Analyst: ECG							
Blank		Result	Units						
Chlorophyll a		1.00U	mg/m3						
Quality Control Batch: 10305128		Analyst: VLB							
Blank		Result	Units						
Total Phosphorus(as P)		0.00200U	mg/L						
Laboratory Control Sample		Result	Units	Spike	%REC	%REC Lim			
Total Phosphorus(as P)		0.484	mg/L	0.500	96.85	85.00-115.00			
Matrix Spike		Result	Units	Spike	%REC	%REC Lim	Sample		
Total Phosphorus(as P)		0.162	mg/L	0.200	81.04	85.00-115.00	0.00200U		
Matrix Spike Duplicate		Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Total Phosphorus(as P)		0.163	mg/L	0.200	81.44	85.00-115.00	0.00200U	0.50	20.00
Quality Control Batch: 10305204		Analyst: PLB							
Blank		Result	Units						
TSS		1.00U	mg/L						



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 WWTP-Q-SW
Date Sampled: Feb 17, 2016
Feb 29, 2016; Invoice: 290748

Quality Control Batch: 10305204

Analyst: PLB

Laboratory Control Sample

TSS

Result

84.0

Units

mg/L

Spike

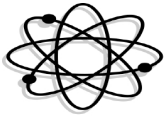
84.0

%REC

100.00

%REC Lim

50.00-150.00



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 WWTP-Q-SW
Date Sampled: Feb 17, 2016
Feb 29, 2016; Invoice: 290748

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.