

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

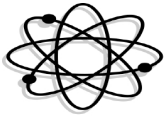
PO #: Revised 2/5/16
Client Project #: Cudjoe Key SW Monitoring
Date Sampled: Oct 5, 2015
Oct 20, 2015; Invoice: 278825

Report Summary

Date Received: Oct 6, 2015

FCL Project Manager: Thomas D. Cross

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
278825SW1	CK-1	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	TRB	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	
278825SW2	CK-2	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	TRB	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	
278825SW3	CK-3	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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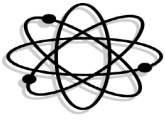
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		EPA353.2	PCW	Main Lab	
		EPA365.1	PCW	Main Lab	
		EPA375.2	PCW	Main Lab	
		FDEP DEP-SOP	PCW	Main Lab	
		OrgNit			
		SM10200 H	TRB	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM2540 D	PLB	Main Lab	
		SM4500-CI E	VLB	Main Lab	
		SM5310 C	PCW	Main Lab	
		SM9222 D	TDC	Keys Lab	
		TotNit			
278825SW4	CK-4	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	TRB	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			
278825SW5	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	TRB	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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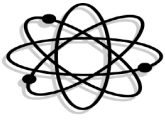
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278825SW6	CK-6	TotNit			
		EPA1600	TDC	Keys Lab	Surface Water
		EPA200.7	EVB	Main Lab	
		EPA200.8	EVB	Main Lab	
		EPA245.1	EVB	Main Lab	
		EPA350.1	PCW	Main Lab	
		EPA351.2	VLB	Main Lab	
		EPA353.2	PCW	Main Lab	
		EPA365.1	PCW	Main Lab	
		EPA375.2	PCW	Main Lab	
		FDEP DEP-SOP	PCW	Main Lab	
		OrgNit			
		SM10200 H	TRB	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			
278825SW7	CK-7	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	TRB	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			
278825SW8	CK-8	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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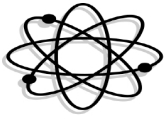
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		OrgNit			
		SM10200 H	TRB	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM2540 D	PLB	Main Lab	
		SM4500-CI E	VLB	Main Lab	
		SM5310 C	PCW	Main Lab	
		SM9222 D	TDC	Keys Lab	
		TotNit			
278825SW9	CK-9	EPA1600	TDC	Keys Lab	Surface Water
		EPA200.7	EVB	Main 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	TRB	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			
278825SW10	CK-10	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	TRB	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			
278825SW11	CK-11	EPA1600	TDC	Keys Lab	Surface Water
		EPA200.7	EVB	Main Lab	
		EPA200.8	EVB	Main Lab	



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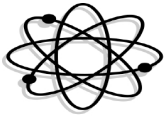
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		EPA245.1	EVB	Main Lab	
		EPA350.1	PCW	Main Lab	
		EPA351.2	VLB	Main Lab	
		EPA353.2	PCW	Main Lab	
		EPA365.1	PCW	Main Lab	
		EPA375.2	PCW	Main Lab	
		FDEP DEP-SOP	PCW	Main Lab	
		OrgNit			
		SM10200 H	TRB	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM2540 D	PLB	Main Lab	
		SM4500-CI E	VLB	Main Lab	
		SM5310 C	PCW	Main Lab	
		SM9222 D	TDC	Keys Lab	
		TotNit			
278825SW12	CK-12	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	TRB	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			
278825SW13	CK-13	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	TRB	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM2540 D	PLB	Main Lab	



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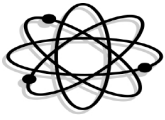
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		SM4500-CI E	VLB	Main Lab	
		SM5310 C	PCW	Main Lab	
		SM9222 D	TDC	Keys Lab	
		TotNit			
278825SW14	CK-14	EPA1600	TDC	Keys Lab	Surface Water
		EPA200.7	EVB	Main Lab	
		EPA200.8	EVB	Main Lab	
		EPA245.1	EVB	Main Lab	
		EPA350.1	PCW	Main Lab	
		EPA351.2	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	TRB	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			
278825SW15	CK-15	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	TRB	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			
278825SW16	CK-16	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	



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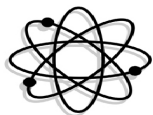
EPA365.1	PCW	Main Lab
EPA375.2	PCW	Main Lab
FDEP DEP-SOP	PCW	Main Lab
OrgNit		
SM10200 H	TRB	Main Lab
SM2540 C	PLB	Main Lab
SM2540 D	PLB	Main Lab
SM4500-CI E	VLB	Main Lab
SM5310 C	PCW	Main Lab
SM9222 D	TDC	Keys Lab
TotNit		

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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Analysis Report

Lab #:	Sampled:	Desc:										
278825SW1	10/05/15 12:15 PM	CK-1	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
			Organic Nitrogen	0.314		0				OrgNit		
			Total Nitrogen(as N)	0.345		0				TotNit	17778-88-0	
			Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		10/13/15
			Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10292985	EPA353.2	14797-55-8	10/06/15 03:59 PM
			Nitrite(as N)	0.0306 I	mg/L	1.00	0.0200	0.0400	10292985	EPA353.2	14797-65-0	10/06/15 03:59 PM
			Enterococci	46.0	cfu/100mL	1.00	1.00	1.00	10293033	EPA1600		10/05/15 01:40 PM
			Fecal Coliform	1.00 U	cfu/100mL	1.00	1.00	1.00	10293036	SM9222 D	E761792	10/05/15 02:10 PM
			Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10293037	EPA245.1	7439-97-6	10/07/15
			Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7429-90-5	10/07/15
			Arsenic	0.00470	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-38-2	10/07/15
			Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10293167	EPA200.8	7440-43-9	10/07/15
			Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-47-3	10/07/15
			Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7439-92-1	10/07/15
			Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-02-0	10/07/15
			Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7440-66-6	10/07/15
			TSS	17.0	mg/L	1.00	1.00	2.00	10293173	SM2540 D	E1642818	10/07/15
			TDS	35900	mg/L	1.00	2.50	5.00	10293263	SM2540 C	10-33-3	10/07/15
			TKN(as N)	0.314 I	mg/L	1.00	0.200	0.400	10293274	EPA351.2	7727-37-9	10/08/15
			Chloride	21800	mg/L	400	1600	3200	10293379	SM4500-CI E	16887-00-6	10/10/15
			Iron	0.0500 U	mg/L	5.00	0.0500	0.100	10293422	EPA200.7	7439-89-6	10/08/15
			Chlorophyll a	1.00 U	mg/m3	1.00	1.00	2.00	10293514	SM10200 H	479-61-8	10/06/15
			Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10293632	EPA350.1	7664-41-7	10/13/15
			Sulfate	2820	mg/L	40.0	200	400	10293745	EPA375.2	14808-79-8	10/14/15
			TOC	2.40	mg/L	1.00	1.00	2.00	10293803	SM5310 C	E701250	10/14/15
			Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10293899	EPA365.1	14265-44-2	10/06/15 05:42 PM
			Total Phosphorus(as P)	0.0400 U	mg/L	1.00	0.0400	0.100	10302572	EPA365.1	7723-14-0	01/29/16



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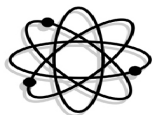
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Florida Keys Aqueduct Authority-WWTP
3375 Overseas Hwy
Marathon, FL 33050

PO #: Revised 2/5/16
Client Project #: Cudjoe Key SW Monitoring
Date Sampled: Oct 5, 2015
Oct 20, 2015; Invoice: 278825

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.413		0				OrgNit		
Total Nitrogen(as N)	0.446		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		10/13/15
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10292985	EPA353.2	14797-55-8	10/06/15 03:59 PM
Nitrite(as N)	0.0331 I	mg/L	1.00	0.0200	0.0400	10292985	EPA353.2	14797-65-0	10/06/15 03:59 PM
Enterococci	1.00 U	cfu/100mL	1.00	1.00	1.00	10293033	EPA1600		10/05/15 01:40 PM
Fecal Coliform	4.00	cfu/100mL	1.00	1.00	1.00	10293036	SM9222 D	E761792	10/05/15 02:10 PM
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10293037	EPA245.1	7439-97-6	10/07/15
Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7429-90-5	10/07/15
Arsenic	0.00440	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-38-2	10/07/15
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10293167	EPA200.8	7440-43-9	10/07/15
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-47-3	10/07/15
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7439-92-1	10/07/15
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-02-0	10/07/15
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7440-66-6	10/07/15
TSS	17.4	mg/L	1.00	1.00	2.00	10293173	SM2540 D	E1642818	10/07/15
TDS	38000	mg/L	1.00	2.50	5.00	10293263	SM2540 C	10-33-3	10/07/15
TKN(as N)	0.413	mg/L	1.00	0.200	0.400	10293274	EPA351.2	7727-37-9	10/08/15
Chloride	23900	mg/L	600	2400	4800	10293379	SM4500-CI E	16887-00-6	10/10/15
Iron	0.0500 U	mg/L	5.00	0.0500	0.100	10293422	EPA200.7	7439-89-6	10/08/15
Chlorophyll a	1.00 U	mg/m3	1.00	1.00	2.00	10293514	SM10200 H	479-61-8	10/06/15
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10293632	EPA350.1	7664-41-7	10/13/15
Sulfate	2920	mg/L	40.0	200	400	10293745	EPA375.2	14808-79-8	10/14/15
TOC	1.87 I	mg/L	1.00	1.00	2.00	10293803	SM5310 C	E701250	10/14/15
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10293899	EPA365.1	14265-44-2	10/06/15 05:42 PM
Total Phosphorus(as P)	0.0400 UQ	mg/L	1.00	0.0400	0.100	10302572	EPA365.1	7723-14-0	01/29/16

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



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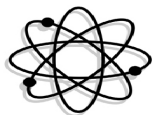
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Florida Keys Aqueduct Authority-WWTP
3375 Overseas Hwy
Marathon, FL 33050

PO #: Revised 2/5/16
Client Project #: Cudjoe Key SW Monitoring
Date Sampled: Oct 5, 2015
Oct 20, 2015; Invoice: 278825

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.258		0				OrgNit		
Total Nitrogen(as N)	0.258		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		10/13/15
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10292985	EPA353.2	14797-55-8	10/06/15 03:59 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10292985	EPA353.2	14797-65-0	10/06/15 03:59 PM
Enterococci	3.00	cfu/100mL	1.00	1.00	1.00	10293033	EPA1600		10/05/15 01:40 PM
Fecal Coliform	2.00	cfu/100mL	1.00	1.00	1.00	10293036	SM9222 D	E761792	10/05/15 02:10 PM
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10293038	EPA245.1	7439-97-6	10/07/15
Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7429-90-5	10/07/15
Arsenic	0.00460	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-38-2	10/07/15
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10293167	EPA200.8	7440-43-9	10/07/15
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-47-3	10/07/15
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7439-92-1	10/07/15
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-02-0	10/07/15
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7440-66-6	10/07/15
TSS	13.3	mg/L	1.00	1.00	2.00	10293173	SM2540 D	E1642818	10/07/15
TDS	37400	mg/L	1.00	2.50	5.00	10293263	SM2540 C	10-33-3	10/07/15
TKN(as N)	0.258 I	mg/L	1.00	0.200	0.400	10293274	EPA351.2	7727-37-9	10/08/15
Chloride	27700	mg/L	600	2400	4800	10293379	SM4500-CI E	16887-00-6	10/10/15
Iron	0.0500 U	mg/L	5.00	0.0500	0.100	10293422	EPA200.7	7439-89-6	10/08/15
Chlorophyll a	1.97 I	mg/m3	1.00	1.00	2.00	10293514	SM10200 H	479-61-8	10/06/15
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10293632	EPA350.1	7664-41-7	10/13/15
Sulfate	2930	mg/L	40.0	200	400	10293745	EPA375.2	14808-79-8	10/14/15
TOC	1.07 I	mg/L	1.00	1.00	2.00	10293803	SM5310 C	E701250	10/14/15
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10293899	EPA365.1	14265-44-2	10/06/15 05:42 PM
Total Phosphorus(as P)	0.0400 UQ	mg/L	1.00	0.0400	0.100	10302572	EPA365.1	7723-14-0	01/29/16

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



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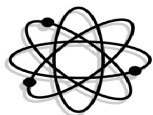
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Florida Keys Aqueduct Authority-WWTP
3375 Overseas Hwy
Marathon, FL 33050

PO #: Revised 2/5/16
Client Project #: Cudjoe Key SW Monitoring
Date Sampled: Oct 5, 2015
Oct 20, 2015; Invoice: 278825

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.212		0				OrgNit		
Total Nitrogen(as N)	0.243		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		10/13/15
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10292985	EPA353.2	14797-55-8	10/06/15 03:59 PM
Nitrite(as N)	0.0315 I	mg/L	1.00	0.0200	0.0400	10292985	EPA353.2	14797-65-0	10/06/15 03:59 PM
Enterococci	21.0	cfu/100mL	1.00	1.00	1.00	10293033	EPA1600		10/05/15 01:40 PM
Fecal Coliform	8.00	cfu/100mL	1.00	1.00	1.00	10293036	SM9222 D	E761792	10/05/15 02:10 PM
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10293038	EPA245.1	7439-97-6	10/07/15
Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7429-90-5	10/07/15
Arsenic	0.00440	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-38-2	10/07/15
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10293167	EPA200.8	7440-43-9	10/07/15
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-47-3	10/07/15
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7439-92-1	10/07/15
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-02-0	10/07/15
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7440-66-6	10/07/15
TSS	12.3	mg/L	1.00	1.00	2.00	10293173	SM2540 D	E1642818	10/07/15
TDS	38300	mg/L	1.00	2.50	5.00	10293263	SM2540 C	10-33-3	10/07/15
TKN(as N)	0.212 I	mg/L	1.00	0.200	0.400	10293274	EPA351.2	7727-37-9	10/08/15
Chloride	26100	mg/L	600	2400	4800	10293379	SM4500-CI E	16887-00-6	10/10/15
Iron	0.0500 U	mg/L	5.00	0.0500	0.100	10293422	EPA200.7	7439-89-6	10/08/15
Chlorophyll a	1.00 U	mg/m3	1.00	1.00	2.00	10293514	SM10200 H	479-61-8	10/06/15
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10293632	EPA350.1	7664-41-7	10/13/15
Sulfate	2920	mg/L	40.0	200	400	10293745	EPA375.2	14808-79-8	10/14/15
TOC	1.00 U	mg/L	1.00	1.00	2.00	10293803	SM5310 C	E701250	10/14/15
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10293899	EPA365.1	14265-44-2	10/06/15 05:42 PM
Total Phosphorus(as P)	0.0400 UQ	mg/L	1.00	0.0400	0.100	10302572	EPA365.1	7723-14-0	01/29/16

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



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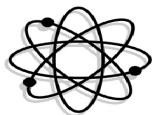
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Florida Keys Aqueduct Authority-WWTP
3375 Overseas Hwy
Marathon, FL 33050

PO #: Revised 2/5/16
Client Project #: Cudjoe Key SW Monitoring
Date Sampled: Oct 5, 2015
Oct 20, 2015; Invoice: 278825

Lab #: 278825SW5	Sampled: 10/05/15 08:50 AM	Desc: CK-5							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0		0				OrgNit		
Total Nitrogen(as N)	0.0257		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		10/13/15
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10292985	EPA353.2	14797-55-8	10/06/15 03:59 PM
Nitrite(as N)	0.0257 I	mg/L	1.00	0.0200	0.0400	10292985	EPA353.2	14797-65-0	10/06/15 03:59 PM
Enterococci	3.00	cfu/100mL	1.00	1.00	1.00	10293033	EPA1600		10/05/15 01:40 PM
Fecal Coliform	4.00	cfu/100mL	1.00	1.00	1.00	10293036	SM9222 D	E761792	10/05/15 02:10 PM
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10293038	EPA245.1	7439-97-6	10/07/15
Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7429-90-5	10/07/15
Arsenic	0.00400	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-38-2	10/07/15
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10293167	EPA200.8	7440-43-9	10/07/15
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-47-3	10/07/15
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7439-92-1	10/07/15
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-02-0	10/07/15
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7440-66-6	10/07/15
TSS	7.29	mg/L	1.00	1.00	2.00	10293173	SM2540 D	E1642818	10/07/15
TDS	38500	mg/L	1.00	2.50	5.00	10293263	SM2540 C	10-33-3	10/07/15
TKN(as N)	0.200 U	mg/L	1.00	0.200	0.400	10293274	EPA351.2	7727-37-9	10/08/15
Chloride	31700	mg/L	600	2400	4800	10293379	SM4500-CI E	16887-00-6	10/10/15
Iron	0.0500 U	mg/L	5.00	0.0500	0.100	10293422	EPA200.7	7439-89-6	10/08/15
Chlorophyll a	1.00 U	mg/m3	1.00	1.00	2.00	10293514	SM10200 H	479-61-8	10/06/15
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10293632	EPA350.1	7664-41-7	10/13/15
Sulfate	2920	mg/L	40.0	200	400	10293745	EPA375.2	14808-79-8	10/14/15
TOC	1.00 U	mg/L	1.00	1.00	2.00	10293803	SM5310 C	E701250	10/14/15
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10293899	EPA365.1	14265-44-2	10/06/15 05:42 PM
Total Phosphorus(as P)	0.0400 U	mg/L	1.00	0.0400	0.100	10302572	EPA365.1	7723-14-0	01/29/16

Lab #: 278825SW6	Sampled: 10/05/15 09:35 AM	Desc: CK-6							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed



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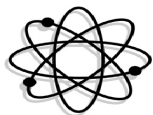
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Florida Keys Aqueduct Authority-WWTP
3375 Overseas Hwy
Marathon, FL 33050

PO #: Revised 2/5/16
Client Project #: Cudjoe Key SW Monitoring
Date Sampled: Oct 5, 2015
Oct 20, 2015; Invoice: 278825

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.221		0				OrgNit		
Total Nitrogen(as N)	0.250		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		10/13/15
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10292985	EPA353.2	14797-55-8	10/06/15 03:59 PM
Nitrite(as N)	0.0299 I	mg/L	1.00	0.0200	0.0400	10292985	EPA353.2	14797-65-0	10/06/15 03:59 PM
Enterococci	19.0	cfu/100mL	1.00	1.00	1.00	10293033	EPA1600		10/05/15 01:40 PM
Fecal Coliform	150	cfu/100mL	1.00	1.00	1.00	10293036	SM9222 D	E761792	10/05/15 02:10 PM
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10293038	EPA245.1	7439-97-6	10/07/15
Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7429-90-5	10/07/15
Arsenic	0.00380	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-38-2	10/07/15
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10293167	EPA200.8	7440-43-9	10/07/15
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-47-3	10/07/15
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7439-92-1	10/07/15
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-02-0	10/07/15
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7440-66-6	10/07/15
TSS	6.43	mg/L	1.00	1.00	2.00	10293173	SM2540 D	E1642818	10/07/15
TDS	37800	mg/L	1.00	2.50	5.00	10293263	SM2540 C	10-33-3	10/07/15
TKN(as N)	0.221 I	mg/L	1.00	0.200	0.400	10293274	EPA351.2	7727-37-9	10/08/15
Chloride	24200	mg/L	600	2400	4800	10293379	SM4500-CI E	16887-00-6	10/10/15
Iron	0.0500 U	mg/L	5.00	0.0500	0.100	10293422	EPA200.7	7439-89-6	10/08/15
Chlorophyll a	1.00 U	mg/m3	1.00	1.00	2.00	10293514	SM10200 H	479-61-8	10/06/15
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10293632	EPA350.1	7664-41-7	10/13/15
Sulfate	2940	mg/L	40.0	200	400	10293745	EPA375.2	14808-79-8	10/14/15
TOC	1.00 U	mg/L	1.00	1.00	2.00	10293803	SM5310 C	E701250	10/14/15
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10293899	EPA365.1	14265-44-2	10/06/15 05:42 PM
Total Phosphorus(as P)	0.0400 U	mg/L	1.00	0.0400	0.100	10302572	EPA365.1	7723-14-0	01/29/16

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



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 3980 Overseas Hwy, Suite 103, Marathon, FL 33050

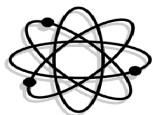
Phone: 407-339-5984 E83018 (Main Lab)
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 Phone: 850-973-6878 E82405 (North Lab)
 Phone: 305-743-8598 E35834 (Keys Lab)

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

PO #: Revised 2/5/16
 Client Project #: Cudjoe Key SW Monitoring
 Date Sampled: Oct 5, 2015
 Oct 20, 2015; Invoice: 278825

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.214		0				OrgNit		
Total Nitrogen(as N)	0.241		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		10/13/15
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10292985	EPA353.2	14797-55-8	10/06/15 03:59 PM
Nitrite(as N)	0.0272 I	mg/L	1.00	0.0200	0.0400	10292985	EPA353.2	14797-65-0	10/06/15 03:59 PM
Enterococci	6.00	cfu/100mL	1.00	1.00	1.00	10293033	EPA1600		10/05/15 01:40 PM
Fecal Coliform	10.0	cfu/100mL	1.00	1.00	1.00	10293036	SM9222 D	E761792	10/05/15 02:10 PM
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10293038	EPA245.1	7439-97-6	10/07/15
Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7429-90-5	10/07/15
Arsenic	0.00360	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-38-2	10/07/15
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10293167	EPA200.8	7440-43-9	10/07/15
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-47-3	10/07/15
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7439-92-1	10/07/15
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-02-0	10/07/15
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7440-66-6	10/07/15
TSS	15.3	mg/L	1.00	1.00	2.00	10293173	SM2540 D	E1642818	10/07/15
TDS	38500	mg/L	1.00	2.50	5.00	10293263	SM2540 C	10-33-3	10/07/15
TKN(as N)	0.214 I	mg/L	1.00	0.200	0.400	10293274	EPA351.2	7727-37-9	10/08/15
Chloride	27500	mg/L	600	2400	4800	10293379	SM4500-CI E	16887-00-6	10/10/15
Iron	0.0500 U	mg/L	5.00	0.0500	0.100	10293422	EPA200.7	7439-89-6	10/08/15
Chlorophyll a	1.00 U	mg/m3	1.00	1.00	2.00	10293514	SM10200 H	479-61-8	10/06/15
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10293632	EPA350.1	7664-41-7	10/13/15
Sulfate	2780	mg/L	40.0	200	400	10293745	EPA375.2	14808-79-8	10/14/15
TOC	1.00 U	mg/L	1.00	1.00	2.00	10293803	SM5310 C	E701250	10/14/15
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10293899	EPA365.1	14265-44-2	10/06/15 05:42 PM
Total Phosphorus(as P)	0.0400 UQ	mg/L	1.00	0.0400	0.100	10302572	EPA365.1	7723-14-0	01/29/16

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



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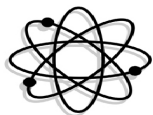
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Florida Keys Aqueduct Authority-WWTP
3375 Overseas Hwy
Marathon, FL 33050

PO #: Revised 2/5/16
Client Project #: Cudjoe Key SW Monitoring
Date Sampled: Oct 5, 2015
Oct 20, 2015; Invoice: 278825

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.333		0				OrgNit		
Total Nitrogen(as N)	0.347		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		10/13/15
Nitrate(as N)	0.0136 I	mg/L	1.00	0.0100	0.0200	10292985	EPA353.2	14797-55-8	10/06/15 03:59 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10292985	EPA353.2	14797-65-0	10/06/15 03:59 PM
Enterococci	2.00	cfu/100mL	1.00	1.00	1.00	10293033	EPA1600		10/05/15 01:40 PM
Fecal Coliform	2.00	cfu/100mL	1.00	1.00	1.00	10293036	SM9222 D	E761792	10/05/15 02:10 PM
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10293038	EPA245.1	7439-97-6	10/07/15
Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7429-90-5	10/07/15
Arsenic	0.00310	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-38-2	10/07/15
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10293167	EPA200.8	7440-43-9	10/07/15
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-47-3	10/07/15
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7439-92-1	10/07/15
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-02-0	10/07/15
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7440-66-6	10/07/15
TSS	20.7	mg/L	1.00	1.00	2.00	10293173	SM2540 D	E1642818	10/07/15
TDS	38700	mg/L	1.00	2.50	5.00	10293263	SM2540 C	10-33-3	10/07/15
TKN(as N)	0.333 I	mg/L	1.00	0.200	0.400	10293274	EPA351.2	7727-37-9	10/08/15
Chloride	23500	mg/L	400	1600	3200	10293379	SM4500-CI E	16887-00-6	10/10/15
Iron	0.0500 U	mg/L	5.00	0.0500	0.100	10293422	EPA200.7	7439-89-6	10/08/15
Chlorophyll a	1.21 I	mg/m3	1.00	1.00	2.00	10293514	SM10200 H	479-61-8	10/06/15
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10293632	EPA350.1	7664-41-7	10/13/15
Sulfate	2890	mg/L	40.0	200	400	10293745	EPA375.2	14808-79-8	10/14/15
TOC	1.00 U	mg/L	1.00	1.00	2.00	10293803	SM5310 C	E701250	10/14/15
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10293899	EPA365.1	14265-44-2	10/06/15 05:42 PM
Total Phosphorus(as P)	0.0400 U	mg/L	1.00	0.0400	0.100	10302572	EPA365.1	7723-14-0	01/29/16

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



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

PO #: Revised 2/5/16
 Client Project #: Cudjoe Key SW Monitoring
 Date Sampled: Oct 5, 2015
 Oct 20, 2015; Invoice: 278825

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.492		0				OrgNit		
Total Nitrogen(as N)	0.659		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.108	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		10/13/15
Nitrate(as N)	0.0270	mg/L	1.00	0.0100	0.0200	10292985	EPA353.2	14797-55-8	10/06/15 03:59 PM
Nitrite(as N)	0.0307 I	mg/L	1.00	0.0200	0.0400	10292985	EPA353.2	14797-65-0	10/06/15 03:59 PM
Enterococci	5.00	cfu/100mL	1.00	1.00	1.00	10293033	EPA1600		10/05/15 01:40 PM
Fecal Coliform	12.0	cfu/100mL	1.00	1.00	1.00	10293036	SM9222 D	E761792	10/05/15 02:10 PM
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10293038	EPA245.1	7439-97-6	10/07/15
Aluminum	0.0126 I	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7429-90-5	10/07/15
Arsenic	0.00380	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-38-2	10/07/15
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10293167	EPA200.8	7440-43-9	10/07/15
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-47-3	10/07/15
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7439-92-1	10/07/15
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-02-0	10/07/15
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7440-66-6	10/07/15
TSS	6.29	mg/L	1.00	1.00	2.00	10293173	SM2540 D	E1642818	10/07/15
TDS	38200	mg/L	1.00	2.50	5.00	10293263	SM2540 C	10-33-3	10/07/15
TKN(as N)	0.601	mg/L	1.00	0.200	0.400	10293274	EPA351.2	7727-37-9	10/08/15
Chloride	21000	mg/L	400	1600	3200	10293381	SM4500-CI E	16887-00-6	10/10/15
Iron	0.0500 U	mg/L	5.00	0.0500	0.100	10293422	EPA200.7	7439-89-6	10/08/15
Chlorophyll a	5.57	mg/m3	1.00	1.00	2.00	10293514	SM10200 H	479-61-8	10/06/15
Ammonia (as N)	0.109	mg/L	1.00	0.0100	0.0200	10293632	EPA350.1	7664-41-7	10/13/15
Sulfate	2900	mg/L	40.0	200	400	10293745	EPA375.2	14808-79-8	10/14/15
TOC	1.09 I	mg/L	1.00	1.00	2.00	10293803	SM5310 C	E701250	10/14/15
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10293899	EPA365.1	14265-44-2	10/06/15 05:42 PM
Total Phosphorus(as P)	0.0400 UQ	mg/L	1.00	0.0400	0.100	10302572	EPA365.1	7723-14-0	01/29/16

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



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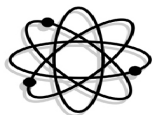
PO #: Revised 2/5/16
Client Project #: Cudjoe Key SW Monitoring
Date Sampled: Oct 5, 2015
Oct 20, 2015; Invoice: 278825

Lab #: 278825SW10 Sampled: 10/05/15 10:15 AM Desc: CK-10

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analized
Organic Nitrogen	0.385		0				OrgNit		
Total Nitrogen(as N)	0.406		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		10/13/15
Nitrate(as N)	0.0208	mg/L	1.00	0.0100	0.0200	10292985	EPA353.2	14797-55-8	10/06/15 03:59 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10292985	EPA353.2	14797-65-0	10/06/15 03:59 PM
Enterococci	1.00	cfu/100mL	1.00	1.00	1.00	10293033	EPA1600		10/05/15 01:40 PM
Fecal Coliform	12.0	cfu/100mL	1.00	1.00	1.00	10293036	SM9222 D	E761792	10/05/15 02:10 PM
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10293038	EPA245.1	7439-97-6	10/07/15
Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7429-90-5	10/07/15
Arsenic	0.00360	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-38-2	10/07/15
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10293167	EPA200.8	7440-43-9	10/07/15
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-47-3	10/07/15
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7439-92-1	10/07/15
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-02-0	10/07/15
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7440-66-6	10/07/15
TSS	14.6	mg/L	1.00	1.00	2.00	10293173	SM2540 D	E1642818	10/07/15
TDS	37400	mg/L	1.00	2.50	5.00	10293263	SM2540 C	10-33-3	10/07/15
TKN(as N)	0.385 I	mg/L	1.00	0.200	0.400	10293274	EPA351.2	7727-37-9	10/08/15
Chloride	28100	mg/L	600	2400	4800	10293381	SM4500-CI E	16887-00-6	10/10/15
Iron	0.0500 U	mg/L	5.00	0.0500	0.100	10293422	EPA200.7	7439-89-6	10/08/15
Chlorophyll a	1.00 U	mg/m3	1.00	1.00	2.00	10293514	SM10200 H	479-61-8	10/06/15
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10293632	EPA350.1	7664-41-7	10/13/15
Sulfate	2920	mg/L	40.0	200	400	10293745	EPA375.2	14808-79-8	10/14/15
TOC	1.00 U	mg/L	1.00	1.00	2.00	10293803	SM5310 C	E701250	10/14/15
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10293899	EPA365.1	14265-44-2	10/06/15 05:42 PM
Total Phosphorus(as P)	0.0400 UQ	mg/L	1.00	0.0400	0.100	10302572	EPA365.1	7723-14-0	01/29/16

Lab #: 278825SW11 Sampled: 10/05/15 11:10 AM Desc: CK-11

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analized
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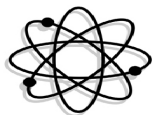
PO #: Revised 2/5/16
Client Project #: Cudjoe Key SW Monitoring
Date Sampled: Oct 5, 2015
Oct 20, 2015; Invoice: 278825

Lab #: 278825SW11 Sampled: 10/05/15 11:10 AM Desc: CK-11

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analized
Organic Nitrogen	0.394		0				OrgNit		
Total Nitrogen(as N)	0.406		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		10/13/15
Nitrate(as N)	0.0119 I	mg/L	1.00	0.0100	0.0200	10292985	EPA353.2	14797-55-8	10/06/15 03:59 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10292985	EPA353.2	14797-65-0	10/06/15 03:59 PM
Enterococci	12.0	cfu/100mL	1.00	1.00	1.00	10293033	EPA1600		10/05/15 01:40 PM
Fecal Coliform	20.0	cfu/100mL	1.00	1.00	1.00	10293036	SM9222 D	E761792	10/05/15 02:10 PM
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10293038	EPA245.1	7439-97-6	10/07/15
Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7429-90-5	10/07/15
Arsenic	0.00430	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-38-2	10/07/15
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10293167	EPA200.8	7440-43-9	10/07/15
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-47-3	10/07/15
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7439-92-1	10/07/15
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-02-0	10/07/15
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7440-66-6	10/07/15
TSS	10.3	mg/L	1.00	1.00	2.00	10293174	SM2540 D	E1642818	10/07/15
TDS	37100	mg/L	1.00	2.50	5.00	10293264	SM2540 C	10-33-3	10/07/15
TKN(as N)	0.394 J	mg/L	1.00	0.200	0.400	10293275	EPA351.2	7727-37-9	10/08/15
Chloride	27700	mg/L	600	2400	4800	10293381	SM4500-CI E	16887-00-6	10/10/15
Iron	0.0500 U	mg/L	5.00	0.0500	0.100	10293422	EPA200.7	7439-89-6	10/08/15
Chlorophyll a	1.61 I	mg/m3	1.00	1.00	2.00	10293514	SM10200 H	479-61-8	10/06/15
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10293632	EPA350.1	7664-41-7	10/13/15
Sulfate	2920	mg/L	40.0	200	400	10293745	EPA375.2	14808-79-8	10/14/15
TOC	1.00 U	mg/L	1.00	1.00	2.00	10293803	SM5310 C	E701250	10/14/15
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10293899	EPA365.1	14265-44-2	10/06/15 05:42 PM
Total Phosphorus(as P)	0.0400 UQ	mg/L	1.00	0.0400	0.100	10302572	EPA365.1	7723-14-0	01/29/16

Lab #: 278825SW12 Sampled: 10/05/15 10:55 AM Desc: CK-12

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analized
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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

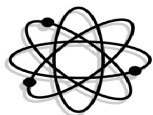
PO #: Revised 2/5/16
Client Project #: Cudjoe Key SW Monitoring
Date Sampled: Oct 5, 2015
Oct 20, 2015; Invoice: 278825

Lab #: 278825SW12 Sampled: 10/05/15 10:55 AM Desc: CK-12

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analized
Organic Nitrogen	0.612		0				OrgNit		
Total Nitrogen(as N)	0.630		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		10/13/15
Nitrate(as N)	0.0181 I	mg/L	1.00	0.0100	0.0200	10292985	EPA353.2	14797-55-8	10/06/15 03:59 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10292985	EPA353.2	14797-65-0	10/06/15 03:59 PM
Enterococci	7.00	cfu/100mL	1.00	1.00	1.00	10293033	EPA1600		10/05/15 01:40 PM
Fecal Coliform	330	cfu/100mL	1.00	1.00	1.00	10293036	SM9222 D	E761792	10/05/15 02:10 PM
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10293038	EPA245.1	7439-97-6	10/07/15
Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7429-90-5	10/07/15
Arsenic	0.00370	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-38-2	10/07/15
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10293167	EPA200.8	7440-43-9	10/07/15
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-47-3	10/07/15
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7439-92-1	10/07/15
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-02-0	10/07/15
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7440-66-6	10/07/15
TSS	13.1	mg/L	1.00	1.00	2.00	10293174	SM2540 D	E1642818	10/07/15
TDS	37900	mg/L	1.00	2.50	5.00	10293264	SM2540 C	10-33-3	10/07/15
TKN(as N)	0.612	mg/L	1.00	0.200	0.400	10293275	EPA351.2	7727-37-9	10/08/15
Chloride	25500	mg/L	600	2400	4800	10293381	SM4500-CI E	16887-00-6	10/10/15
Iron	0.0500 U	mg/L	5.00	0.0500	0.100	10293422	EPA200.7	7439-89-6	10/08/15
Chlorophyll a	1.22 I	mg/m3	1.00	1.00	2.00	10293514	SM10200 H	479-61-8	10/06/15
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10293632	EPA350.1	7664-41-7	10/13/15
Sulfate	2920	mg/L	40.0	200	400	10293745	EPA375.2	14808-79-8	10/14/15
TOC	1.00 U	mg/L	1.00	1.00	2.00	10293803	SM5310 C	E701250	10/14/15
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10293899	EPA365.1	14265-44-2	10/06/15 05:42 PM
Total Phosphorus(as P)	0.0400 U	mg/L	1.00	0.0400	0.100	10302572	EPA365.1	7723-14-0	01/29/16

Lab #: 278825SW13 Sampled: 10/05/15 10:35 AM Desc: CK-13

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analized
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 3980 Overseas Hwy, Suite 103, Marathon, FL 33050

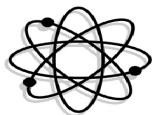
Phone: 407-339-5984 E83018 (Main Lab)
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 Phone: 850-973-6878 E82405 (North Lab)
 Phone: 305-743-8598 E35834 (Keys Lab)

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

PO #: Revised 2/5/16
 Client Project #: Cudjoe Key SW Monitoring
 Date Sampled: Oct 5, 2015
 Oct 20, 2015; Invoice: 278825

Lab #: 278825SW13 Sampled: 10/05/15 10:35 AM Desc: CK-13									
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.501		0				OrgNit		
Total Nitrogen(as N)	0.581		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.0501	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		10/13/15
Nitrate(as N)	0.0295	mg/L	1.00	0.0100	0.0200	10292985	EPA353.2	14797-55-8	10/06/15 03:59 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10292985	EPA353.2	14797-65-0	10/06/15 03:59 PM
Enterococci	6.00	cfu/100mL	1.00	1.00	1.00	10293033	EPA1600		10/05/15 01:40 PM
Fecal Coliform	170	cfu/100mL	1.00	1.00	1.00	10293036	SM9222 D	E761792	10/05/15 02:10 PM
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10293038	EPA245.1	7439-97-6	10/07/15
Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7429-90-5	10/07/15
Arsenic	0.00400	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-38-2	10/07/15
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10293167	EPA200.8	7440-43-9	10/07/15
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-47-3	10/07/15
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7439-92-1	10/07/15
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-02-0	10/07/15
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7440-66-6	10/07/15
TSS	5.43	mg/L	1.00	1.00	2.00	10293174	SM2540 D	E1642818	10/07/15
TDS	37800	mg/L	1.00	2.50	5.00	10293264	SM2540 C	10-33-3	10/07/15
TKN(as N)	0.551	mg/L	1.00	0.200	0.400	10293275	EPA351.2	7727-37-9	10/08/15
Chloride	27300	mg/L	600	2400	4800	10293381	SM4500-CI E	16887-00-6	10/10/15
Iron	0.0500 U	mg/L	5.00	0.0500	0.100	10293422	EPA200.7	7439-89-6	10/08/15
Chlorophyll a	1.00 U	mg/m3	1.00	1.00	2.00	10293514	SM10200 H	479-61-8	10/06/15
Ammonia (as N)	0.0501	mg/L	1.00	0.0100	0.0200	10293632	EPA350.1	7664-41-7	10/13/15
Sulfate	2550	mg/L	40.0	200	400	10293745	EPA375.2	14808-79-8	10/14/15
TOC	1.27 I	mg/L	1.00	1.00	2.00	10293803	SM5310 C	E701250	10/14/15
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10293899	EPA365.1	14265-44-2	10/06/15 05:42 PM
Total Phosphorus(as P)	0.0400 UQ	mg/L	1.00	0.0400	0.100	10302572	EPA365.1	7723-14-0	01/29/16

Lab #: 278825SW14 Sampled: 10/05/15 12:40 PM Desc: CK-14									
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed



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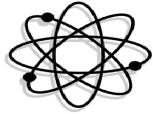
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 Phone: 305-743-8598 E35834 (Keys Lab)

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

PO #: Revised 2/5/16
 Client Project #: Cudjoe Key SW Monitoring
 Date Sampled: Oct 5, 2015
 Oct 20, 2015; Invoice: 278825

Lab #: 278825SW14 Sampled: 10/05/15 12:40 PM Desc: CK-14									
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.481		0				OrgNit		
Total Nitrogen(as N)	0.502		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		10/13/15
Nitrate(as N)	0.0213	mg/L	1.00	0.0100	0.0200	10292985	EPA353.2	14797-55-8	10/06/15 03:59 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10292985	EPA353.2	14797-65-0	10/06/15 03:59 PM
Enterococci	1.00 U	cfu/100mL	1.00	1.00	1.00	10293033	EPA1600		10/05/15 01:40 PM
Fecal Coliform	140	cfu/100mL	1.00	1.00	1.00	10293036	SM9222 D	E761792	10/05/15 02:10 PM
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10293038	EPA245.1	7439-97-6	10/07/15
Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7429-90-5	10/07/15
Arsenic	0.00360	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-38-2	10/07/15
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10293167	EPA200.8	7440-43-9	10/07/15
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-47-3	10/07/15
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7439-92-1	10/07/15
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-02-0	10/07/15
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7440-66-6	10/07/15
TSS	16.4	mg/L	1.00	1.00	2.00	10293174	SM2540 D	E1642818	10/07/15
TDS	38500	mg/L	1.00	2.50	5.00	10293264	SM2540 C	10-33-3	10/07/15
TKN(as N)	0.481	mg/L	1.00	0.200	0.400	10293275	EPA351.2	7727-37-9	10/08/15
Chloride	25900	mg/L	600	2400	4800	10293381	SM4500-CI E	16887-00-6	10/10/15
Iron	0.0500 U	mg/L	5.00	0.0500	0.100	10293422	EPA200.7	7439-89-6	10/08/15
Chlorophyll a	1.60 I	mg/m3	1.00	1.00	2.00	10293514	SM10200 H	479-61-8	10/06/15
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10293632	EPA350.1	7664-41-7	10/13/15
Sulfate	2800	mg/L	40.0	200	400	10293745	EPA375.2	14808-79-8	10/14/15
TOC	1.00 U	mg/L	1.00	1.00	2.00	10293803	SM5310 C	E701250	10/14/15
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10293899	EPA365.1	14265-44-2	10/06/15 05:42 PM
Total Phosphorus(as P)	0.0400 U	mg/L	1.00	0.0400	0.100	10302572	EPA365.1	7723-14-0	01/29/16

Lab #: 278825SW15 Sampled: 10/05/15 08:30 AM Desc: CK-15									
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed



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Florida Keys Aqueduct Authority-WWTP
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Marathon, FL 33050

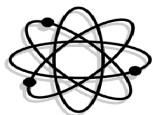
PO #: Revised 2/5/16
Client Project #: Cudjoe Key SW Monitoring
Date Sampled: Oct 5, 2015
Oct 20, 2015; Invoice: 278825

Lab #: 278825SW15 Sampled: 10/05/15 08:30 AM Desc: CK-15

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analized
Organic Nitrogen	0.434		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		10/13/15
Nitrate(as N)	0.0232	mg/L	1.00	0.0100	0.0200	10292985	EPA353.2	14797-55-8	10/06/15 03:59 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10292985	EPA353.2	14797-65-0	10/06/15 03:59 PM
Enterococci	6.00	cfu/100mL	1.00	1.00	1.00	10293033	EPA1600		10/05/15 01:40 PM
Fecal Coliform	280	cfu/100mL	1.00	1.00	1.00	10293036	SM9222 D	E761792	10/05/15 02:10 PM
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10293038	EPA245.1	7439-97-6	10/07/15
Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7429-90-5	10/07/15
Arsenic	0.00330	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-38-2	10/07/15
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10293167	EPA200.8	7440-43-9	10/07/15
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-47-3	10/07/15
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7439-92-1	10/07/15
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-02-0	10/07/15
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7440-66-6	10/07/15
TSS	14.4	mg/L	1.00	1.00	2.00	10293174	SM2540 D	E1642818	10/07/15
TDS	37000	mg/L	1.00	2.50	5.00	10293264	SM2540 C	10-33-3	10/07/15
TKN(as N)	0.434	mg/L	1.00	0.200	0.400	10293275	EPA351.2	7727-37-9	10/08/15
Chloride	19900	mg/L	400	1600	3200	10293381	SM4500-CI E	16887-00-6	10/10/15
Iron	0.0500 U	mg/L	5.00	0.0500	0.100	10293422	EPA200.7	7439-89-6	10/08/15
Chlorophyll a	1.00 U	mg/m3	1.00	1.00	2.00	10293514	SM10200 H	479-61-8	10/06/15
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10293632	EPA350.1	7664-41-7	10/13/15
Sulfate	2930	mg/L	40.0	200	400	10293745	EPA375.2	14808-79-8	10/14/15
TOC	1.00 U	mg/L	1.00	1.00	2.00	10293803	SM5310 C	E701250	10/14/15
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10293899	EPA365.1	14265-44-2	10/06/15 05:42 PM
Total Phosphorus(as P)	0.0400 U	mg/L	1.00	0.0400	0.100	10302572	EPA365.1	7723-14-0	01/29/16

Lab #: 278825SW16 Sampled: 10/05/15 10:25 AM Desc: CK-16

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analized
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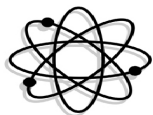
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Florida Keys Aqueduct Authority-WWTP
3375 Overseas Hwy
Marathon, FL 33050

PO #: Revised 2/5/16
Client Project #: Cudjoe Key SW Monitoring
Date Sampled: Oct 5, 2015
Oct 20, 2015; Invoice: 278825

Lab #: 278825SW16 Sampled: 10/05/15 10:25 AM Desc: CK-16

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analized
Organic Nitrogen	0.634		0				OrgNit		
Total Nitrogen(as N)	0.739		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.0742	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		10/13/15
Nitrate(as N)	0.0309	mg/L	1.00	0.0100	0.0200	10292985	EPA353.2	14797-55-8	10/06/15 03:59 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10292985	EPA353.2	14797-65-0	10/06/15 03:59 PM
Enterococci	14.0	cfu/100mL	1.00	1.00	1.00	10293033	EPA1600		10/05/15 01:40 PM
Fecal Coliform	38.0	cfu/100mL	1.00	1.00	1.00	10293036	SM9222 D	E761792	10/05/15 02:10 PM
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10293038	EPA245.1	7439-97-6	10/07/15
Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7429-90-5	10/07/15
Arsenic	0.00430	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-38-2	10/07/15
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10293167	EPA200.8	7440-43-9	10/07/15
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-47-3	10/07/15
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7439-92-1	10/07/15
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10293167	EPA200.8	7440-02-0	10/07/15
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10293167	EPA200.8	7440-66-6	10/07/15
TSS	18.3	mg/L	1.00	1.00	2.00	10293174	SM2540 D	E1642818	10/07/15
TDS	38200	mg/L	1.00	2.50	5.00	10293264	SM2540 C	10-33-3	10/07/15
TKN(as N)	0.708	mg/L	1.00	0.200	0.400	10293275	EPA351.2	7727-37-9	10/08/15
Chloride	20400	mg/L	400	1600	3200	10293381	SM4500-CI E	16887-00-6	10/10/15
Iron	0.0500 U	mg/L	5.00	0.0500	0.100	10293422	EPA200.7	7439-89-6	10/08/15
Chlorophyll a	11.0	mg/m3	1.00	1.00	2.00	10293514	SM10200 H	479-61-8	10/06/15
Ammonia (as N)	0.0742	mg/L	1.00	0.0100	0.0200	10293632	EPA350.1	7664-41-7	10/13/15
Sulfate	2800	mg/L	40.0	200	400	10293745	EPA375.2	14808-79-8	10/14/15
TOC	1.20 I	mg/L	1.00	1.00	2.00	10293803	SM5310 C	E701250	10/14/15
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10293899	EPA365.1	14265-44-2	10/06/15 05:42 PM
Total Phosphorus(as P)	0.0400 UQ	mg/L	1.00	0.0400	0.100	10302572	EPA365.1	7723-14-0	01/29/16



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Florida Keys Aqueduct Authority-WWTP
3375 Overseas Hwy
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PO #: Revised 2/5/16
Client Project #: Cudjoe Key SW Monitoring
Date Sampled: Oct 5, 2015
Oct 20, 2015; Invoice: 278825

Quality Report

Quality Control Batch: 10274203 **Analyst:** PCW

Blank
Unionized NH3(as N) **Result** **Units**
0.000100U mg/L

Quality Control Batch: 10292985 **Analyst:** PCW

Blank
Nitrate(as N) **Result** **Units**
0.0100U mg/L
Nitrite(as N) 0.0200U mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Nitrate(as N)	1.02	mg/L	1.00	102.10	85.00-115.00
Nitrite(as N)	0.949	mg/L	1.00	94.90	85.00-115.00

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Nitrate(as N)	4.18	mg/L	4.00	104.50	85.00-115.00	0.0100U
Nitrite(as N)	3.90	mg/L	4.00	96.74	85.00-115.00	0.0306

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Nitrate(as N)	4.15	mg/L	4.00	103.75	85.00-115.00	0.0100U	0.72	20.00
Nitrite(as N)	3.90	mg/L	4.00	96.74	85.00-115.00	0.0306	0.00	20.00

Quality Control Batch: 10293033 **Analyst:** TDC

Blank
Enterococci **Result** **Units**
1.00U cfu/100mL

Quality Control Batch: 10293036 **Analyst:** TDC

Blank
Result **Units**



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Quality Control Batch: 10293036	Analyst: TDC	
Blank	Result	Units
Fecal Coliform	1.00U	cfu/100mL

Quality Control Batch: 10293038	Analyst: EVB	
Blank	Result	Units
Mercury	0.0000200U	mg/L

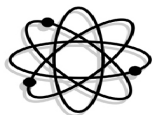
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Mercury	0.00101	mg/L	0.00100	100.50	80.00-120.00

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Mercury	0.00304	mg/L	0.00300	101.78	80.00-120.00	-0.0000184

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Mercury	0.00297	mg/L	0.00300	99.58	80.00-120.00	-0.0000184	2.20	20.00

Quality Control Batch: 10293167	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	0.109	mg/L	0.100	108.70	85.00-115.00



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Quality Control Batch: 10293167 Analyst: EVB

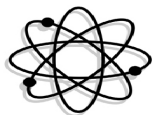
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Arsenic	0.104	mg/L	0.100	104.20	85.00-115.00
Cadmium	0.106	mg/L	0.100	105.80	85.00-115.00
Chromium	0.0986	mg/L	0.100	98.60	85.00-115.00
Lead	0.107	mg/L	0.100	107.40	85.00-115.00
Nickel	0.108	mg/L	0.100	108.10	85.00-115.00
Zinc	0.111	mg/L	0.100	110.80	85.00-115.00

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Aluminum	0.0818	mg/L	0.100	81.80	70.00-130.00	0.0100U
Arsenic	0.0867	mg/L	0.100	82.50	70.00-130.00	0.00420
Cadmium	0.0715	mg/L	0.100	71.50	70.00-130.00	0.000200U
Chromium	0.0963	mg/L	0.100	96.30	70.00-130.00	0.00100U
Lead	0.0931	mg/L	0.100	93.10	70.00-130.00	0.00100U
Nickel	0.0923	mg/L	0.100	92.30	70.00-130.00	0.00100U
Zinc	0.0851	mg/L	0.100	81.40	70.00-130.00	0.00370

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Aluminum	0.0893	mg/L	0.100	89.30	70.00-130.00	0.0100U	8.77	20.00
Arsenic	0.0865	mg/L	0.100	82.30	70.00-130.00	0.00420	0.23	20.00
Cadmium	0.0575	mg/L	0.100	57.50	70.00-130.00	0.000200U	21.71	20.00
Chromium	0.0959	mg/L	0.100	95.90	70.00-130.00	0.00100U	0.42	20.00
Lead	0.0901	mg/L	0.100	90.10	70.00-130.00	0.00100U	3.28	20.00
Nickel	0.0945	mg/L	0.100	94.50	70.00-130.00	0.00100U	2.36	20.00
Zinc	0.0669	mg/L	0.100	63.20	70.00-130.00	0.00370	23.95	20.00

Quality Control Batch: 10293174 Analyst: PLB

Blank	Result	Units
TSS	1.00U	mg/L



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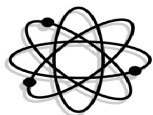
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Quality Control Batch: 10293174		Analyst: PLB						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
TSS	78.0	mg/L	84.0	92.86	50.00-150.00			
Quality Control Batch: 10293264		Analyst: PLB						
Blank	Result	Units						
TDS	2.50U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
TDS	1470	mg/L	1500	98.13	50.00-150.00			
Quality Control Batch: 10293274		Analyst: VLB						
Blank	Result	Units						
TKN(as N)	0.200U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
TKN(as N)	3.07	mg/L	3.00	102.35	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
TKN(as N)	2.77	mg/L	3.00	81.83	80.00-120.00	0.314		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
TKN(as N)	2.74	mg/L	3.00	81.00	80.00-120.00	0.314	0.90	20.00
Quality Control Batch: 10293275		Analyst: VLB						
Blank	Result	Units						
TKN(as N)	0.200U	mg/L						



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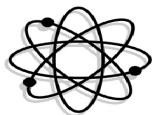
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Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
TKN(as N)	3.15	mg/L	3.00	104.94	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
TKN(as N)	2.73	mg/L	3.00	78.01	80.00-120.00	0.394		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
TKN(as N)	2.79	mg/L	3.00	79.87	80.00-120.00	0.394	2.02	20.00
Quality Control Batch: 10293379		Analyst: VLB						
Blank	Result	Units						
Chloride	4.00U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Chloride	50.0	mg/L	50.0	100.02	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Chloride	96.2	mg/L	50.0	97.56	85.00-115.00	47.4		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Chloride	98.6	mg/L	50.0	102.38	85.00-115.00	47.4	2.47	20.00
Quality Control Batch: 10293422		Analyst: EVB						
Blank	Result	Units						
Iron	0.0100U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Iron	9.38	mg/L	10.0	93.85	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		



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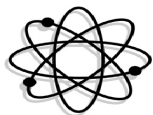
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Quality Control Batch: 10293422		Analyst: EVB						
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Iron	9.97	mg/L	10.0	97.30	70.00-130.00	0.237		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Iron	10.6	mg/L	10.0	103.56	70.00-130.00	0.237	6.09	20.00
Quality Control Batch: 10293514		Analyst: TRB						
Blank	Result	Units						
Chlorophyll a	1.00U	mg/m3						
Quality Control Batch: 10293632		Analyst: PCW						
Blank	Result	Units						
Ammonia (as N)	0.0100U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Ammonia (as N)	0.522	mg/L	0.500	104.40	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Ammonia (as N)	0.748	mg/L	0.780	95.90	85.00-115.00	0.0100U		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Ammonia (as N)	0.733	mg/L	0.780	93.97	85.00-115.00	0.0100U	2.03	20.00
Quality Control Batch: 10293745		Analyst: PCW						
Blank	Result	Units						
Sulfate	5.00U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Sulfate	57.3	mg/L	60.0	95.50	85.00-115.00			



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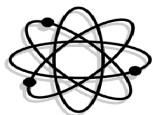
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Quality Control Batch: 10293745		Analyst: PCW						
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Sulfate	98.3	mg/L	50.0	105.00	85.00-115.00	45.8		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Sulfate	100	mg/L	50.0	108.40	85.00-115.00	45.8	1.71	20.00
Quality Control Batch: 10293803		Analyst: PCW						
Blank	Result	Units						
TOC	1.00U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
TOC	10.6	mg/L	10.0	105.77	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
TOC	26.4	mg/L	10.0	105.19	80.00-120.00	15.9		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
TOC	24.0	mg/L	10.0	81.91	80.00-120.00	15.9	9.24	20.00
Quality Control Batch: 10302572		Analyst: PCW						
Blank	Result	Units						
Total Phosphorus(as P)	0.0400U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Total Phosphorus(as P)	0.523	mg/L	0.500	104.54	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Total Phosphorus(as P)	0.179	mg/L	0.200	89.48	85.00-115.00	0.000100		



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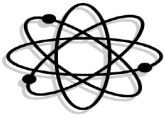
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Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Total Phosphorus(as P)	0.173	mg/L	0.200	86.32	85.00-115.00	0.000100	3.60	20.00



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Narrative Report

Sample Handling

This report is revised to remove the EPA365.4 Total Phosphorus values that were elevated due to matrix interference. EPA365.1 was performed on the same sample aliquot, past the 28 day holding time, but scientifically a more representative value of phosphorus in salt water.

Total Nitrogen=TKN-NO2+NO3 positive hits. Organic Nitrogen=TKN-NH3 positive hits.

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.