



# 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

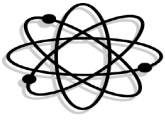
PO #: 15350  
Client Project #: Cudjoe Key WWTP -Q- SW's  
Date Sampled: Nov 14, 2016  
Nov 30, 2016; Invoice: 315282

## Report Summary

Date Received: Nov 14, 2016

FCL Project Manager: Thomas D. Cross

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
315282SW1	C-23	COLILERT-18	TDC	Keys Lab	Surface Water
		ENTEROLERT	TDC	Keys Lab	
		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	VLB	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	TDC	Keys Lab	
		SM4500-CI E	VLB	Main Lab	
SM5310 C	PCW	Main Lab			
315282SW2	C-22	COLILERT-18	TDC	Keys Lab	Surface Water
		ENTEROLERT	TDC	Keys Lab	
		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	VLB	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	TDC	Keys Lab	
		SM4500-CI E	VLB	Main Lab	
SM5310 C	PCW	Main Lab			
315282SW3	C-21	COLILERT-18	TDC	Keys Lab	Surface Water
		ENTEROLERT	TDC	Keys Lab	
		EPA200.7	EVB	Main Lab	
		EPA200.8	EVB	Main Lab	
		EPA245.1	EVB	Main Lab	
		EPA350.1	PCW	Main Lab	



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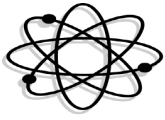
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		EPA351.2	VLB	Main Lab	
		EPA353.2	PCW	Main Lab	
		EPA365.1	VLB	Main Lab	
		EPA375.2	PCW	Main Lab	
		FDEP DEP-SOP	PCW	Main Lab	
		OrgNit			
		SM10200 H	TRB	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM2540 D	TDC	Keys Lab	
		SM4500-CI E	VLB	Main Lab	
		SM5310 C	PCW	Main Lab	
		TotNit			
315282SW4	CK-5	COLILERT-18	TDC	Keys Lab	Surface Water
		ENTEROLERT	TDC	Keys Lab	
		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	VLB	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	TDC	Keys Lab	
		SM4500-CI E	VLB	Main Lab	
		SM5310 C	PCW	Main Lab	
		TotNit			
315282SW5	CK-8	COLILERT-18	TDC	Keys Lab	Surface Water
		ENTEROLERT	TDC	Keys Lab	
		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	VLB	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	TDC	Keys Lab	
		SM4500-CI E	VLB	Main Lab	
		SM5310 C	PCW	Main Lab	



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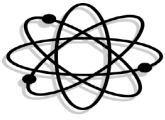
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315282SW6	CK-14	TotNit			
		COLILERT-18	TDC	Keys Lab	Surface Water
		ENTEROLERT	TDC	Keys Lab	
		EPA200.7	EVB	Main Lab	
		EPA200.8	EVB	Main Lab	
		EPA245.1	EVB	Main Lab	
		EPA350.1	PCW	Main Lab	
		EPA351.2	VLB	Main Lab	
		EPA353.2	PCW	Main Lab	
		EPA365.1	VLB	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	TDC	Keys Lab			
SM4500-CI E	VLB	Main Lab			
SM5310 C	PCW	Main Lab			
315282SW7	C-26	TotNit			
		COLILERT-18	TDC	Keys Lab	Surface Water
		ENTEROLERT	TDC	Keys Lab	
		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	VLB	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	TDC	Keys Lab			
SM4500-CI E	VLB	Main Lab			
SM5310 C	PCW	Main Lab			
315282SW8	CK-1	TotNit			
		COLILERT-18	TDC	Keys Lab	Surface Water
		ENTEROLERT	TDC	Keys Lab	
		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	VLB	Main Lab	
EPA375.2	PCW	Main Lab			



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FDEP DEP-SOP	PCW	Main Lab
OrgNit		
SM10200 H	TRB	Main Lab
SM2540 C	PLB	Main Lab
SM2540 D	TDC	Keys Lab
SM4500-CI E	VLB	Main Lab
SM5310 C	PCW	Main Lab
TotNit		

### Certificate of Results

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



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



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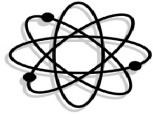
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Florida Keys Aqueduct Authority-WWTP  
 3375 Overseas Hwy  
 Marathon, FL 33050

PO #: 15350  
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 Date Sampled: Nov 14, 2016  
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## Analysis Report

Lab #:	Sampled:	Desc:										
315282SW1	11/14/16 07:15 AM	C-23	Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
			Organic Nitrogen	0.602		0				OrgNit		
			Total Nitrogen(as N)	0.613		0				TotNit	17778-88-0	
			Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		11/22/16
			TSS	11.0	mg/L	1.00	1.00	2.00	10326040	SM2540 D	E1642818	11/14/16
			Fecal Coliform	1.00 U	mpn/100mL	1.00	1.00	1.00	10326092	COLILERT-18	E761792	11/14/16 01:20 PM
			Enterococci	10.0 U	mpn/100mL	10.0	10.0	10.0	10326116	ENTEROLERT		11/14/16 11:10 AM
			Nitrate(as N)	0.0108 I	mg/L	1.00	0.0100	0.0200	10326122	EPA353.2	14797-55-8	11/15/16 12:52 PM
			Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10326122	EPA353.2	14797-65-0	11/15/16 12:52 PM
			Aluminum	0.0298	mg/L	1.00	0.0100	0.0200	10326143	EPA200.8	7429-90-5	11/15/16
			Arsenic	0.00400	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-38-2	11/15/16
			Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10326143	EPA200.8	7440-43-9	11/15/16
			Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-47-3	11/15/16
			Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7439-92-1	11/15/16
			Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-02-0	11/15/16
			Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10326143	EPA200.8	7440-66-6	11/15/16
			Iron	0.0258	mg/L	1.00	0.0100	0.0200	10326281	EPA200.7	7439-89-6	11/16/16
			Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10326304	EPA245.1	7439-97-6	11/17/16
			Chloride	19500	mg/L	300	1200	2400	10326443	SM4500-CI E	16887-00-6	11/18/16
			Chlorophyll a	0.490	ug/L	1.00	0.0200	0.150	10326590	SM10200 H	479-61-8	11/14/16
			Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10326626	EPA350.1	7664-41-7	11/21/16
			TOC	1.00 U	mg/L	1.00	1.00	2.00	10326629	SM5310 C	E701250	11/21/16
			Total Phosphorus(as P)	0.0165	mg/L	1.00	0.00200	0.00400	10326705	EPA365.1	7723-14-0	11/22/16
			Sulfate	4380	mg/L	20.0	100	200	10326710	EPA375.2	14808-79-8	11/22/16
			TKN(as N)	0.602	mg/L	1.00	0.200	0.400	10326721	EPA351.2	7727-37-9	11/22/16
			Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10326787	EPA365.1	14265-44-2	11/15/16 05:18 PM
			TDS	32700	mg/L	1.00	2.50	5.00	10327563	SM2540 C	10-33-3	11/15/16



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PO #: 15350  
Client Project #: Cudjoe Key WWTP -Q- SW's  
Date Sampled: Nov 14, 2016  
Nov 30, 2016; Invoice: 315282

Lab #:	315282SW2	Sampled:	11/14/16 07:25 AM	Desc:	C-22				
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analized
Organic Nitrogen	0.498		0				OrgNit		
Total Nitrogen(as N)	0.517		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		11/22/16
TSS	10.2	mg/L	1.00	1.00	2.00	10326040	SM2540 D	E1642818	11/14/16
Fecal Coliform	1.00 U	mpn/100mL	1.00	1.00	1.00	10326092	COLILERT-18	E761792	11/14/16 01:20 PM
Enterococci	10.0 U	mpn/100mL	10.0	10.0	10.0	10326116	ENTEROLERT		11/14/16 11:10 AM
Nitrate(as N)	0.0189 I	mg/L	1.00	0.0100	0.0200	10326122	EPA353.2	14797-55-8	11/15/16 12:52 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10326122	EPA353.2	14797-65-0	11/15/16 12:52 PM
Aluminum	0.0132 I	mg/L	1.00	0.0100	0.0200	10326143	EPA200.8	7429-90-5	11/15/16
Arsenic	0.00390	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-38-2	11/15/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10326143	EPA200.8	7440-43-9	11/15/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-47-3	11/15/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7439-92-1	11/15/16
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-02-0	11/15/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10326143	EPA200.8	7440-66-6	11/15/16
Iron	0.0100 U	mg/L	1.00	0.0100	0.0200	10326281	EPA200.7	7439-89-6	11/16/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10326304	EPA245.1	7439-97-6	11/17/16
Chloride	19400	mg/L	300	1200	2400	10326443	SM4500-CI E	16887-00-6	11/18/16
Chlorophyll a	0.210	ug/L	1.00	0.0200	0.150	10326590	SM10200 H	479-61-8	11/14/16
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10326626	EPA350.1	7664-41-7	11/21/16
TOC	1.00 U	mg/L	1.00	1.00	2.00	10326629	SM5310 C	E701250	11/21/16
Total Phosphorus(as P)	0.00806	mg/L	1.00	0.00200	0.00400	10326705	EPA365.1	7723-14-0	11/22/16
Sulfate	4260	mg/L	20.0	100	200	10326710	EPA375.2	14808-79-8	11/22/16
TKN(as N)	0.498	mg/L	1.00	0.200	0.400	10326721	EPA351.2	7727-37-9	11/22/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10326787	EPA365.1	14265-44-2	11/15/16 05:18 PM
TDS	36200	mg/L	1.00	2.50	5.00	10327563	SM2540 C	10-33-3	11/15/16

Lab #:	315282SW3	Sampled:	11/14/16 07:35 AM	Desc:	C-21				
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analized



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Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.343		0				OrgNit		
Total Nitrogen(as N)	0.343		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		11/22/16
TSS	12.8	mg/L	1.00	1.00	2.00	10326040	SM2540 D	E1642818	11/14/16
Fecal Coliform	1.11	mpn/100mL	1.00	1.00	1.00	10326092	COLILERT-18	E761792	11/14/16 01:20 PM
Enterococci	10.0 U	mpn/100mL	10.0	10.0	10.0	10326116	ENTEROLERT		11/14/16 11:10 AM
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10326122	EPA353.2	14797-55-8	11/15/16 12:52 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10326122	EPA353.2	14797-65-0	11/15/16 12:52 PM
Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10326143	EPA200.8	7429-90-5	11/15/16
Arsenic	0.00360	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-38-2	11/15/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10326143	EPA200.8	7440-43-9	11/15/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-47-3	11/15/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7439-92-1	11/15/16
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-02-0	11/15/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10326143	EPA200.8	7440-66-6	11/15/16
Iron	0.0100 U	mg/L	1.00	0.0100	0.0200	10326281	EPA200.7	7439-89-6	11/16/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10326304	EPA245.1	7439-97-6	11/17/16
Chloride	20800	mg/L	300	1200	2400	10326443	SM4500-CI E	16887-00-6	11/18/16
Chlorophyll a	0.160	ug/L	1.00	0.0200	0.150	10326590	SM10200 H	479-61-8	11/14/16
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10326626	EPA350.1	7664-41-7	11/21/16
TOC	1.00 U	mg/L	1.00	1.00	2.00	10326629	SM5310 C	E701250	11/21/16
Total Phosphorus(as P)	0.0167	mg/L	1.00	0.00200	0.00400	10326705	EPA365.1	7723-14-0	11/22/16
Sulfate	4540	mg/L	20.0	100	200	10326710	EPA375.2	14808-79-8	11/22/16
TKN(as N)	0.343 I	mg/L	1.00	0.200	0.400	10326721	EPA351.2	7727-37-9	11/22/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10326787	EPA365.1	14265-44-2	11/15/16 05:18 PM
TDS	33700	mg/L	1.00	2.50	5.00	10327563	SM2540 C	10-33-3	11/15/16

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



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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's  
Date Sampled: Nov 14, 2016  
Nov 30, 2016; Invoice: 315282

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.384		0				OrgNit		
Total Nitrogen(as N)	0.394		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		11/22/16
TSS	11.2	mg/L	1.00	1.00	2.00	10326040	SM2540 D	E1642818	11/14/16
Fecal Coliform	1.00 U	mpn/100mL	1.00	1.00	1.00	10326092	COLILERT-18	E761792	11/14/16 01:20 PM
Enterococci	10.0 U	mpn/100mL	10.0	10.0	10.0	10326116	ENTEROLERT		11/14/16 11:10 AM
Nitrate(as N)	0.0105 I	mg/L	1.00	0.0100	0.0200	10326122	EPA353.2	14797-55-8	11/15/16 12:52 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10326122	EPA353.2	14797-65-0	11/15/16 12:52 PM
Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10326143	EPA200.8	7429-90-5	11/15/16
Arsenic	0.00320	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-38-2	11/15/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10326143	EPA200.8	7440-43-9	11/15/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-47-3	11/15/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7439-92-1	11/15/16
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-02-0	11/15/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10326143	EPA200.8	7440-66-6	11/15/16
Iron	0.0100 U	mg/L	1.00	0.0100	0.0200	10326280	EPA200.7	7439-89-6	11/16/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10326304	EPA245.1	7439-97-6	11/17/16
Chloride	20100	mg/L	300	1200	2400	10326443	SM4500-CI E	16887-00-6	11/18/16
Chlorophyll a	0.230	ug/L	1.00	0.0200	0.150	10326590	SM10200 H	479-61-8	11/14/16
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10326626	EPA350.1	7664-41-7	11/21/16
TOC	1.00 U	mg/L	1.00	1.00	2.00	10326629	SM5310 C	E701250	11/21/16
Total Phosphorus(as P)	0.0144	mg/L	1.00	0.00200	0.00400	10326705	EPA365.1	7723-14-0	11/22/16
Sulfate	4440	mg/L	20.0	100	200	10326710	EPA375.2	14808-79-8	11/22/16
TKN(as N)	0.384 I	mg/L	1.00	0.200	0.400	10326721	EPA351.2	7727-37-9	11/22/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10326787	EPA365.1	14265-44-2	11/15/16 05:18 PM
TDS	36100	mg/L	1.00	2.50	5.00	10327563	SM2540 C	10-33-3	11/15/16

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 #: 15350  
 Client Project #: Cudjoe Key WWTP -Q- SW's  
 Date Sampled: Nov 14, 2016  
 Nov 30, 2016; Invoice: 315282

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.396		0				OrgNit		
Total Nitrogen(as N)	0.437		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		11/22/16
TSS	8.40	mg/L	1.00	1.00	2.00	10326040	SM2540 D	E1642818	11/14/16
Fecal Coliform	1.00 U	mpn/100mL	1.00	1.00	1.00	10326092	COLILERT-18	E761792	11/14/16 01:20 PM
Enterococci	10.0 U	mpn/100mL	10.0	10.0	10.0	10326116	ENTEROLERT		11/14/16 11:10 AM
Nitrate(as N)	0.0410	mg/L	1.00	0.0100	0.0200	10326122	EPA353.2	14797-55-8	11/15/16 12:52 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10326122	EPA353.2	14797-65-0	11/15/16 12:52 PM
Aluminum	0.0117 I	mg/L	1.00	0.0100	0.0200	10326143	EPA200.8	7429-90-5	11/15/16
Arsenic	0.00340	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-38-2	11/15/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10326143	EPA200.8	7440-43-9	11/15/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-47-3	11/15/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7439-92-1	11/15/16
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-02-0	11/15/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10326143	EPA200.8	7440-66-6	11/15/16
Iron	0.0100 U	mg/L	1.00	0.0100	0.0200	10326280	EPA200.7	7439-89-6	11/16/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10326304	EPA245.1	7439-97-6	11/17/16
Chloride	20200	mg/L	300	1200	2400	10326443	SM4500-CI E	16887-00-6	11/18/16
Chlorophyll a	0.130 I	ug/L	1.00	0.0200	0.150	10326590	SM10200 H	479-61-8	11/14/16
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10326626	EPA350.1	7664-41-7	11/21/16
TOC	1.00 U	mg/L	1.00	1.00	2.00	10326629	SM5310 C	E701250	11/21/16
Total Phosphorus(as P)	0.0146	mg/L	1.00	0.00200	0.00400	10326705	EPA365.1	7723-14-0	11/22/16
Sulfate	4800	mg/L	20.0	100	200	10326710	EPA375.2	14808-79-8	11/22/16
TKN(as N)	0.396 I	mg/L	1.00	0.200	0.400	10326721	EPA351.2	7727-37-9	11/22/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10326787	EPA365.1	14265-44-2	11/15/16 05:18 PM
TDS	38200	mg/L	1.00	2.50	5.00	10327563	SM2540 C	10-33-3	11/15/16

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 #: 15350  
 Client Project #: Cudjoe Key WWTP -Q- SW's  
 Date Sampled: Nov 14, 2016  
 Nov 30, 2016; Invoice: 315282

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.332		0				OrgNit		
Total Nitrogen(as N)	0.332		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		11/22/16
TSS	10.0	mg/L	1.00	1.00	2.00	10326040	SM2540 D	E1642818	11/14/16
Fecal Coliform	1.00 U	mpn/100mL	1.00	1.00	1.00	10326092	COLILERT-18	E761792	11/14/16 01:20 PM
Enterococci	10.0 U	mpn/100mL	10.0	10.0	10.0	10326116	ENTEROLERT		11/14/16 11:10 AM
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10326122	EPA353.2	14797-55-8	11/15/16 12:52 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10326122	EPA353.2	14797-65-0	11/15/16 12:52 PM
Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10326143	EPA200.8	7429-90-5	11/15/16
Arsenic	0.00330	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-38-2	11/15/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10326143	EPA200.8	7440-43-9	11/15/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-47-3	11/15/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7439-92-1	11/15/16
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-02-0	11/15/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10326143	EPA200.8	7440-66-6	11/15/16
Iron	0.0100 U	mg/L	1.00	0.0100	0.0200	10326280	EPA200.7	7439-89-6	11/16/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10326304	EPA245.1	7439-97-6	11/17/16
Chloride	18900	mg/L	300	1200	2400	10326443	SM4500-CI E	16887-00-6	11/18/16
Chlorophyll a	0.230	ug/L	1.00	0.0200	0.150	10326590	SM10200 H	479-61-8	11/14/16
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10326626	EPA350.1	7664-41-7	11/21/16
TOC	1.00 U	mg/L	1.00	1.00	2.00	10326629	SM5310 C	E701250	11/21/16
Total Phosphorus(as P)	0.0142	mg/L	1.00	0.00200	0.00400	10326705	EPA365.1	7723-14-0	11/22/16
Sulfate	4680	mg/L	20.0	100	200	10326710	EPA375.2	14808-79-8	11/22/16
TKN(as N)	0.332 I	mg/L	1.00	0.200	0.400	10326721	EPA351.2	7727-37-9	11/22/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10326787	EPA365.1	14265-44-2	11/15/16 05:18 PM
TDS	34300	mg/L	1.00	2.50	5.00	10327563	SM2540 C	10-33-3	11/15/16

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 #: 15350  
 Client Project #: Cudjoe Key WWTP -Q- SW's  
 Date Sampled: Nov 14, 2016  
 Nov 30, 2016; Invoice: 315282

Lab #:	315282SW7	Sampled:	11/14/16 09:00 AM	Desc:	C-26				
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analized
Organic Nitrogen	0.393		0				OrgNit		
Total Nitrogen(as N)	0.393		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		11/22/16
TSS	8.60	mg/L	1.00	1.00	2.00	10326040	SM2540 D	E1642818	11/14/16
Fecal Coliform	1.00 U	mpn/100mL	1.00	1.00	1.00	10326092	COLILERT-18	E761792	11/14/16 01:20 PM
Enterococci	1.00 U	mpn/100mL	1.00	1.00	1.00	10326116	ENTEROLERT		11/14/16 11:10 AM
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10326122	EPA353.2	14797-55-8	11/15/16 12:52 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10326122	EPA353.2	14797-65-0	11/15/16 12:52 PM
Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10326143	EPA200.8	7429-90-5	11/15/16
Arsenic	0.00330	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-38-2	11/15/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10326143	EPA200.8	7440-43-9	11/15/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-47-3	11/15/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7439-92-1	11/15/16
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-02-0	11/15/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10326143	EPA200.8	7440-66-6	11/15/16
Iron	0.0100 U	mg/L	1.00	0.0100	0.0200	10326280	EPA200.7	7439-89-6	11/16/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10326304	EPA245.1	7439-97-6	11/17/16
Chloride	19900	mg/L	300	1200	2400	10326443	SM4500-CI E	16887-00-6	11/18/16
Chlorophyll a	0.160	ug/L	1.00	0.0200	0.150	10326590	SM10200 H	479-61-8	11/14/16
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10326626	EPA350.1	7664-41-7	11/21/16
TOC	1.00 U	mg/L	1.00	1.00	2.00	10326629	SM5310 C	E701250	11/21/16
Total Phosphorus(as P)	0.0138	mg/L	1.00	0.00200	0.00400	10326705	EPA365.1	7723-14-0	11/22/16
Sulfate	4660	mg/L	20.0	100	200	10326710	EPA375.2	14808-79-8	11/22/16
TKN(as N)	0.393 I	mg/L	1.00	0.200	0.400	10326721	EPA351.2	7727-37-9	11/22/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10326787	EPA365.1	14265-44-2	11/15/16 05:18 PM
TDS	36300	mg/L	1.00	2.50	5.00	10327563	SM2540 C	10-33-3	11/15/16

Lab #:	315282SW8	Sampled:	11/14/16 09:40 AM	Desc:	CK-1				
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analized



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

PO #: 15350  
Client Project #: Cudjoe Key WWTP -Q- SW's  
Date Sampled: Nov 14, 2016  
Nov 30, 2016; Invoice: 315282

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.786		0				OrgNit		
Total Nitrogen(as N)	0.830		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		11/22/16
TSS	18.4	mg/L	1.00	1.00	2.00	10326040	SM2540 D	E1642818	11/14/16
Fecal Coliform	1.00 U	mpn/100mL	1.00	1.00	1.00	10326092	COLILERT-18	E761792	11/14/16 01:20 PM
Enterococci	22.2	mpn/100mL	1.00	1.00	1.00	10326116	ENTEROLERT		11/14/16 11:10 AM
Nitrate(as N)	0.0435	mg/L	1.00	0.0100	0.0200	10326122	EPA353.2	14797-55-8	11/15/16 12:52 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10326122	EPA353.2	14797-65-0	11/15/16 12:52 PM
Aluminum	0.0273	mg/L	1.00	0.0100	0.0200	10326143	EPA200.8	7429-90-5	11/15/16
Arsenic	0.00320	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-38-2	11/15/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10326143	EPA200.8	7440-43-9	11/15/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-47-3	11/15/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7439-92-1	11/15/16
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10326143	EPA200.8	7440-02-0	11/15/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10326143	EPA200.8	7440-66-6	11/15/16
Iron	0.0220	mg/L	1.00	0.0100	0.0200	10326280	EPA200.7	7439-89-6	11/16/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10326305	EPA245.1	7439-97-6	11/17/16
Chloride	20700	mg/L	300	1200	2400	10326443	SM4500-CI E	16887-00-6	11/18/16
Chlorophyll a	0.550	ug/L	1.00	0.0200	0.150	10326590	SM10200 H	479-61-8	11/14/16
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10326626	EPA350.1	7664-41-7	11/21/16
TOC	2.27	mg/L	1.00	1.00	2.00	10326629	SM5310 C	E701250	11/21/16
Total Phosphorus(as P)	0.0207	mg/L	1.00	0.00200	0.00400	10326705	EPA365.1	7723-14-0	11/22/16
Sulfate	5120	mg/L	20.0	100	200	10326710	EPA375.2	14808-79-8	11/22/16
TKN(as N)	0.786	mg/L	1.00	0.200	0.400	10326721	EPA351.2	7727-37-9	11/22/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10326787	EPA365.1	14265-44-2	11/15/16 05:18 PM
TDS	36700	mg/L	1.00	2.50	5.00	10327563	SM2540 C	10-33-3	11/15/16



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Florida Keys Aqueduct Authority-WWTP  
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## Quality Report

<b>Quality Control Batch:</b> 10274203	<b>Analyst:</b> PCW				
<b>Blank</b>	<b>Result</b>	<b>Units</b>			
Unionized NH3(as N)	0.000100U	mg/L			
<b>Quality Control Batch:</b> 10326040	<b>Analyst:</b> TDC				
<b>Blank</b>	<b>Result</b>	<b>Units</b>			
TSS	1.00U	mg/L			
<b>Laboratory Control Sample</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>
TSS	92.0	mg/L	100	92.00	50.00-150.00
<b>Quality Control Batch:</b> 10326092	<b>Analyst:</b> TDC				
<b>Blank</b>	<b>Result</b>	<b>Units</b>			
Fecal Coliform	1.00U	mpn/100mL			
<b>Quality Control Batch:</b> 10326116	<b>Analyst:</b> TDC				
<b>Blank</b>	<b>Result</b>	<b>Units</b>			
Enterococci	1.00U	mpn/100mL			
<b>Quality Control Batch:</b> 10326122	<b>Analyst:</b> PCW				
<b>Blank</b>	<b>Result</b>	<b>Units</b>			
Nitrate(as N)	0.0100U	mg/L			
Nitrite(as N)	0.0200U	mg/L			
<b>Laboratory Control Sample</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>



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Quality Control Batch: 10326122		Analyst: PCW						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Nitrate(as N)	0.950	mg/L	1.00	95.00	85.00-115.00			
Nitrite(as N)	1.05	mg/L	1.00	105.00	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Nitrate(as N)	31.0	mg/L	4.00	118.95	85.00-115.00	26.2		
Nitrite(as N)	4.58	mg/L	4.00	95.55	85.00-115.00	0.758		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Nitrate(as N)	30.2	mg/L	4.00	98.95	85.00-115.00	26.2	2.61	20.00
Nitrite(as N)	4.68	mg/L	4.00	98.05	85.00-115.00	0.758	2.16	20.00
Quality Control Batch: 10326143		Analyst: EVB						
Blank	Result	Units						
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			
Arsenic	0.0952	mg/L	0.100	95.20	85.00-115.00			
Cadmium	0.0944	mg/L	0.100	94.40	85.00-115.00			
Chromium	0.0907	mg/L	0.100	90.70	85.00-115.00			
Lead	0.0977	mg/L	0.100	97.70	85.00-115.00			
Nickel	0.103	mg/L	0.100	102.50	85.00-115.00			
Zinc	0.107	mg/L	0.100	107.30	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		



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Quality Control Batch: 10326143		Analyst: EVB						
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Arsenic	0.0890	mg/L	0.100	85.40	70.00-130.00	0.00360		
Cadmium	0.0875	mg/L	0.100	87.50	70.00-130.00	0.000200U		
Chromium	0.0937	mg/L	0.100	93.70	70.00-130.00	0.00100U		
Lead	0.0920	mg/L	0.100	92.00	70.00-130.00	0.00100U		
Nickel	0.0910	mg/L	0.100	91.00	70.00-130.00	0.00100U		
Zinc	0.0840	mg/L	0.100	79.30	70.00-130.00	0.00470		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Arsenic	0.167	mg/L	0.100	163.30	70.00-130.00	0.00360	60.88	20.00
Cadmium	0.0856	mg/L	0.100	85.60	70.00-130.00	0.000200U	2.20	20.00
Chromium	0.0910	mg/L	0.100	91.00	70.00-130.00	0.00100U	2.92	20.00
Lead	0.0929	mg/L	0.100	92.90	70.00-130.00	0.00100U	0.97	20.00
Nickel	0.0939	mg/L	0.100	93.90	70.00-130.00	0.00100U	3.14	20.00
Zinc	0.0879	mg/L	0.100	83.20	70.00-130.00	0.00470	4.54	20.00
Quality Control Batch: 10326280		Analyst: EVB						
Blank	Result	Units						
Iron	0.0100U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Iron	5.16	mg/L	5.00	103.25	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Iron	5.10	mg/L	5.00	101.32	70.00-130.00	0.0296		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Iron	4.75	mg/L	5.00	94.38	70.00-130.00	0.0296	7.05	20.00



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<b>Quality Control Batch:</b> 10326281		<b>Analyst:</b> EVB						
<b>Blank</b>	<b>Result</b>	<b>Units</b>						
Iron	0.0100U	mg/L						
<b>Laboratory Control Sample</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>			
Iron	4.77	mg/L	5.00	95.45	85.00-115.00			
<b>Matrix Spike</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>		
Iron	5.65	mg/L	5.00	94.44	70.00-130.00	0.927		
<b>Matrix Spike Duplicate</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
Iron	5.94	mg/L	5.00	100.35	70.00-130.00	0.927	5.09	20.00
<b>Quality Control Batch:</b> 10326304		<b>Analyst:</b> EVB						
<b>Blank</b>	<b>Result</b>	<b>Units</b>						
Mercury	0.0000200U	mg/L						
<b>Laboratory Control Sample</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>			
Mercury	0.00113	mg/L	0.00100	113.00	80.00-120.00			
<b>Matrix Spike</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>		
Mercury	0.00333	mg/L	0.00300	111.73	80.00-120.00	-0.0000259		
<b>Matrix Spike Duplicate</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
Mercury	0.00338	mg/L	0.00300	113.56	80.00-120.00	-0.0000259	1.64	20.00
<b>Quality Control Batch:</b> 10326305		<b>Analyst:</b> EVB						
<b>Blank</b>	<b>Result</b>	<b>Units</b>						
Mercury	0.0000200U	mg/L						
<b>Laboratory Control Sample</b>	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>			





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<b>Quality Control Batch:</b> 10326305		<b>Analyst:</b> EVB							
<b>Laboratory Control Sample</b>		<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>			
Mercury		0.00109	mg/L	0.00100	109.00	80.00-120.00			
<b>Matrix Spike</b>		<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>		
Mercury		0.00285	mg/L	0.00300	95.30	80.00-120.00	-0.00000800		
<b>Matrix Spike Duplicate</b>		<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
Mercury		0.00277	mg/L	0.00300	92.47	80.00-120.00	-0.00000800	3.03	20.00
<b>Quality Control Batch:</b> 10326443		<b>Analyst:</b> VLB							
<b>Blank</b>		<b>Result</b>	<b>Units</b>						
Chloride		4.00U	mg/L						
<b>Laboratory Control Sample</b>		<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>			
Chloride		47.9	mg/L	50.0	95.76	80.00-120.00			
<b>Matrix Spike</b>		<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>		
Chloride		176	mg/L	100	106.27	80.00-120.00	69.9		
<b>Matrix Spike Duplicate</b>		<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
Chloride		165	mg/L	100	95.21	80.00-120.00	69.9	6.48	20.00
<b>Quality Control Batch:</b> 10326590		<b>Analyst:</b> TRB							
<b>Blank</b>		<b>Result</b>	<b>Units</b>						
Chlorophyll a		0.0200U	ug/L						
<b>Quality Control Batch:</b> 10326626		<b>Analyst:</b> PCW							
<b>Blank</b>		<b>Result</b>	<b>Units</b>						
Ammonia (as N)		0.0100U	mg/L						



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Quality Control Batch: 10326626		Analyst: PCW						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Ammonia (as N)	0.505	mg/L	0.500	101.00	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Ammonia (as N)	1.49	mg/L	1.56	95.51	85.00-115.00	0.0100U		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Ammonia (as N)	1.37	mg/L	1.56	87.82	85.00-115.00	0.0100U	8.39	20.00
Quality Control Batch: 10326629		Analyst: PCW						
Blank	Result	Units						
TOC	1.00U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
TOC	10.2	mg/L	10.0	101.62	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
TOC	20.3	mg/L	10.0	86.01	80.00-120.00	11.7		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
TOC	20.6	mg/L	10.0	89.05	80.00-120.00	11.7	1.48	20.00
Quality Control Batch: 10326705		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)	0.422	mg/L	0.500	84.40	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		



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Quality Control Batch: 10326705		Analyst: VLB						
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Total Phosphorus(as P)	0.159	mg/L	0.200	71.49	85.00-115.00	0.0165		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Total Phosphorus(as P)	0.164	mg/L	0.200	73.98	85.00-115.00	0.0165	3.08	20.00
Quality Control Batch: 10326710		Analyst: PCW						
Blank	Result	Units						
Sulfate	5.00U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Sulfate	66.0	mg/L	60.0	110.00	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Sulfate	368	mg/L	50.0	94.00	85.00-115.00	321		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Sulfate	362	mg/L	50.0	82.00	85.00-115.00	321	1.64	20.00
Quality Control Batch: 10326721		Analyst: VLB						
Blank	Result	Units						
TKN(as N)	0.200U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
TKN(as N)	2.85	mg/L	3.00	94.93	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
TKN(as N)	2.98	mg/L	3.00	79.10	80.00-120.00	0.602		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim



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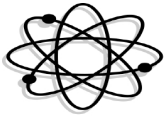
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Quality Control Batch: 10326721		Analyst: VLB						
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
TKN(as N)	3.01	mg/L	3.00	80.40	80.00-120.00	0.602	1.30	20.00
Quality Control Batch: 10326787		Analyst: PCW						
Blank	Result	Units						
Orthophosphate(as P)	0.00200U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Orthophosphate(as P)	0.906	mg/L	1.00	90.56	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Orthophosphate(as P)	0.479	mg/L	0.500	95.81	85.00-115.00	0.00200U		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Orthophosphate(as P)	0.482	mg/L	0.500	96.43	85.00-115.00	0.00200U	0.64	20.00
Quality Control Batch: 10327563		Analyst: PLB						
Blank	Result	Units						
TDS	2.50U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
TDS	1480	mg/L	1500	98.67	50.00-150.00			



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## Narrative Report

### Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by FCL. No unusual events occurred during analysis. Results are reported on a wet weight basis.

### Quality Control

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

### Attachments

Chain of Custody  
Field Data

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.