

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

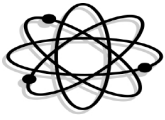
PO #: 15350
Client Project #: Cudjoe Key WWTP -Q- SW's
Date Sampled: Nov 17, 2016
Nov 30, 2016; Invoice: 315665

Report Summary

Date Received: Nov 17, 2016

FCL Project Manager: Thomas D. Cross

Laboratory #	Sample Description	Analysis	Chemist	Location	SampleMatrix
315665SW1	C-24	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	
315665SW2	CK-3	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	
315665SW3	CK-2	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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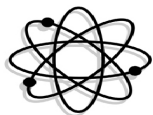
		EPA351.2	VLB	Main Lab	
		EPA353.2	PCW	Main Lab	
		EPA365.1	VLB	Main Lab	
		EPA375.2	PCW	Main Lab	
		FDEP DEP-SOP	PCW	Main Lab	
		OrgNit			
		SM10200 H	TRB	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM2540 D	TDC	Keys Lab	
		SM4500-CI E	VLB	Main Lab	
		SM5310 C	PCW	Main Lab	
		TotNit			
315665SW4	C-25	COLILERT-18	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			

Certificate of Results

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



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



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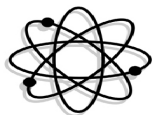
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Analysis Report

Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.584		0				OrgNit		
Total Nitrogen(as N)	0.597		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000122 I	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		11/22/16
TSS	6.20	mg/L	1.00	1.00	2.00	10326335	SM2540 D	E1642818	11/17/16
Fecal Coliform	1.00 U	mpn/100mL	1.00	1.00	1.00	10326396	COLILERT-18	E761792	11/17/16 02:40 PM
Chloride	19100	mg/L	300	1200	2400	10326445	SM4500-CI E	16887-00-6	11/18/16
Enterococci	10.0 U	mpn/100mL	10.0	10.0	10.0	10326456	ENTEROLERT		11/17/16 10:05 AM
Nitrate(as N)	0.0128 I	mg/L	1.00	0.0100	0.0200	10326475	EPA353.2	14797-55-8	11/18/16 04:05 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10326475	EPA353.2	14797-65-0	11/18/16 04:05 PM
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10326626	EPA350.1	7664-41-7	11/21/16
Iron	0.0238	mg/L	1.00	0.0100	0.0200	10326672	EPA200.7	7439-89-6	11/21/16
Total Phosphorus(as P)	0.0176	mg/L	1.00	0.00200	0.00400	10326705	EPA365.1	7723-14-0	11/22/16
Sulfate	4720	mg/L	20.0	100	200	10326710	EPA375.2	14808-79-8	11/22/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10326770	EPA245.1	7439-97-6	11/23/16
Aluminum	0.0246	mg/L	1.00	0.0100	0.0200	10326801	EPA200.8	7429-90-5	11/22/16
Arsenic	0.00620	mg/L	1.00	0.00100	0.00200	10326801	EPA200.8	7440-38-2	11/22/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10326801	EPA200.8	7440-43-9	11/22/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10326801	EPA200.8	7440-47-3	11/22/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10326801	EPA200.8	7439-92-1	11/22/16
Nickel	0.0121	mg/L	1.00	0.00100	0.00200	10326801	EPA200.8	7440-02-0	11/22/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10326801	EPA200.8	7440-66-6	11/22/16
TOC	1.36 I	mg/L	1.00	1.00	2.00	10326949	SM5310 C	E701250	11/23/16
Chlorophyll a	0.150	ug/L	1.00	0.0200	0.150	10326950	SM10200 H	479-61-8	11/17/16
TKN(as N)	0.584	mg/L	1.00	0.200	0.400	10326982	EPA351.2	7727-37-9	11/25/16
TDS	38900	mg/L	1.00	2.50	5.00	10327555	SM2540 C	10-33-3	11/18/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10327559	EPA365.1	14265-44-2	11/18/16 04:30 PM



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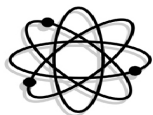
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Lab #:	Sampled:	Desc:							
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Organic Nitrogen	0.498		0				OrgNit		
Total Nitrogen(as N)	0.498		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		11/22/16
TSS	2.80	mg/L	1.00	1.00	2.00	10326335	SM2540 D	E1642818	11/17/16
Fecal Coliform	1.11	mpn/100mL	1.00	1.00	1.00	10326396	COLILERT-18	E761792	11/17/16 02:40 PM
Chloride	18400	mg/L	300	1200	2400	10326445	SM4500-CI E	16887-00-6	11/18/16
Enterococci	11.1	mpn/100mL	10.0	10.0	10.0	10326456	ENTEROLERT		11/17/16 10:05 AM
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10326475	EPA353.2	14797-55-8	11/18/16 04:05 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10326475	EPA353.2	14797-65-0	11/18/16 04:05 PM
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10326626	EPA350.1	7664-41-7	11/21/16
Iron	0.0283	mg/L	1.00	0.0100	0.0200	10326672	EPA200.7	7439-89-6	11/21/16
Total Phosphorus(as P)	0.0200	mg/L	1.00	0.00200	0.00400	10326705	EPA365.1	7723-14-0	11/22/16
Sulfate	4960	mg/L	20.0	100	200	10326710	EPA375.2	14808-79-8	11/22/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10326770	EPA245.1	7439-97-6	11/23/16
Aluminum	0.0141 I	mg/L	1.00	0.0100	0.0200	10326801	EPA200.8	7429-90-5	11/22/16
Arsenic	0.00440	mg/L	1.00	0.00100	0.00200	10326801	EPA200.8	7440-38-2	11/22/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10326801	EPA200.8	7440-43-9	11/22/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10326801	EPA200.8	7440-47-3	11/22/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10326801	EPA200.8	7439-92-1	11/22/16
Nickel	0.00510	mg/L	1.00	0.00100	0.00200	10326801	EPA200.8	7440-02-0	11/22/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10326801	EPA200.8	7440-66-6	11/22/16
TOC	1.33 I	mg/L	1.00	1.00	2.00	10326949	SM5310 C	E701250	11/23/16
Chlorophyll a	0.270	ug/L	1.00	0.0200	0.150	10326950	SM10200 H	479-61-8	11/17/16
TKN(as N)	0.498	mg/L	1.00	0.200	0.400	10326982	EPA351.2	7727-37-9	11/25/16
TDS	40600	mg/L	1.00	2.50	5.00	10327555	SM2540 C	10-33-3	11/18/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10327559	EPA365.1	14265-44-2	11/18/16 04:30 PM

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



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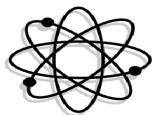
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Organic Nitrogen	0.467		0				OrgNit		
Total Nitrogen(as N)	0.467		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		11/22/16
TSS	9.20	mg/L	1.00	1.00	2.00	10326335	SM2540 D	E1642818	11/17/16
Fecal Coliform	1.00 U	mpn/100mL	1.00	1.00	1.00	10326396	COLILERT-18	E761792	11/17/16 02:40 PM
Chloride	19800	mg/L	300	1200	2400	10326445	SM4500-CI E	16887-00-6	11/18/16
Enterococci	11.1	mpn/100mL	1.00	1.00	1.00	10326456	ENTEROLERT		11/17/16 10:05 AM
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10326475	EPA353.2	14797-55-8	11/18/16 04:05 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10326475	EPA353.2	14797-65-0	11/18/16 04:05 PM
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10326626	EPA350.1	7664-41-7	11/21/16
Iron	0.0241	mg/L	1.00	0.0100	0.0200	10326672	EPA200.7	7439-89-6	11/21/16
Total Phosphorus(as P)	0.0175	mg/L	1.00	0.00200	0.00400	10326705	EPA365.1	7723-14-0	11/22/16
Sulfate	4900	mg/L	20.0	100	200	10326710	EPA375.2	14808-79-8	11/22/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10326770	EPA245.1	7439-97-6	11/23/16
Aluminum	0.0174 I	mg/L	1.00	0.0100	0.0200	10326801	EPA200.8	7429-90-5	11/22/16
Arsenic	0.00430	mg/L	1.00	0.00100	0.00200	10326801	EPA200.8	7440-38-2	11/22/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10326801	EPA200.8	7440-43-9	11/22/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10326801	EPA200.8	7440-47-3	11/22/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10326801	EPA200.8	7439-92-1	11/22/16
Nickel	0.00340	mg/L	1.00	0.00100	0.00200	10326801	EPA200.8	7440-02-0	11/22/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10326801	EPA200.8	7440-66-6	11/22/16
TOC	1.48 I	mg/L	1.00	1.00	2.00	10326949	SM5310 C	E701250	11/23/16
Chlorophyll a	0.0300 I	ug/L	1.00	0.0200	0.150	10326950	SM10200 H	479-61-8	11/17/16
TKN(as N)	0.467	mg/L	1.00	0.200	0.400	10326982	EPA351.2	7727-37-9	11/25/16
TDS	121000	mg/L	1.00	2.50	5.00	10327555	SM2540 C	10-33-3	11/18/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10327559	EPA365.1	14265-44-2	11/18/16 04:30 PM

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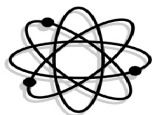
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Organic Nitrogen	0.374		0				OrgNit		
Total Nitrogen(as N)	0.418		0				TotNit	17778-88-0	
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		11/22/16
TSS	5.20	mg/L	1.00	1.00	2.00	10326335	SM2540 D	E1642818	11/17/16
Fecal Coliform	2.22	mpn/100mL	1.00	1.00	1.00	10326396	COLILERT-18	E761792	11/17/16 02:40 PM
Chloride	18900	mg/L	300	1200	2400	10326445	SM4500-CI E	16887-00-6	11/18/16
Enterococci	11.1	mpn/100mL	1.00	1.00	1.00	10326456	ENTEROLERT		11/17/16 10:05 AM
Nitrate(as N)	0.0432	mg/L	1.00	0.0100	0.0200	10326475	EPA353.2	14797-55-8	11/18/16 04:05 PM
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10326475	EPA353.2	14797-65-0	11/18/16 04:05 PM
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10326627	EPA350.1	7664-41-7	11/21/16
Iron	0.0184 I	mg/L	1.00	0.0100	0.0200	10326672	EPA200.7	7439-89-6	11/21/16
Total Phosphorus(as P)	0.0133	mg/L	1.00	0.00200	0.00400	10326705	EPA365.1	7723-14-0	11/22/16
Sulfate	4720	mg/L	20.0	100	200	10326710	EPA375.2	14808-79-8	11/22/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10326770	EPA245.1	7439-97-6	11/23/16
Aluminum	0.0142 I	mg/L	1.00	0.0100	0.0200	10326801	EPA200.8	7429-90-5	11/22/16
Arsenic	0.00520	mg/L	1.00	0.00100	0.00200	10326801	EPA200.8	7440-38-2	11/22/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10326801	EPA200.8	7440-43-9	11/22/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10326801	EPA200.8	7440-47-3	11/22/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10326801	EPA200.8	7439-92-1	11/22/16
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10326801	EPA200.8	7440-02-0	11/22/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10326801	EPA200.8	7440-66-6	11/22/16
TOC	1.24 I	mg/L	1.00	1.00	2.00	10326949	SM5310 C	E701250	11/23/16
Chlorophyll a	0.330	ug/L	1.00	0.0200	0.150	10326950	SM10200 H	479-61-8	11/17/16
TKN(as N)	0.374 I	mg/L	1.00	0.200	0.400	10326982	EPA351.2	7727-37-9	11/25/16
TDS	38800	mg/L	1.00	2.50	5.00	10327555	SM2540 C	10-33-3	11/18/16
Orthophosphate(as P)	0.00200 U	mg/L	1.00	0.00200	0.00400	10327559	EPA365.1	14265-44-2	11/18/16 04:30 PM



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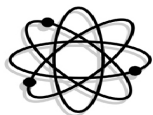
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Florida Keys Aqueduct Authority-WWTP
3375 Overseas Hwy
Marathon, FL 33050

PO #: 15350
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Date Sampled: Nov 17, 2016
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Quality Report

Quality Control Batch: 10274203		Analyst: PCW						
Blank	Result	Units						
Unionized NH3(as N)	0.000100U	mg/L						
Quality Control Batch: 10326335		Analyst: TDC						
Blank	Result	Units						
TSS	1.00U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
TSS	104	mg/L	100	104.00	50.00-150.00			
Quality Control Batch: 10326396		Analyst: TDC						
Blank	Result	Units						
Fecal Coliform	1.00U	mpn/100mL						
Quality Control Batch: 10326445		Analyst: VLB						
Blank	Result	Units						
Chloride	4.00U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Chloride	203	mg/L	200	101.51	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Chloride	104	mg/L	100	98.41	80.00-120.00	5.92		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim



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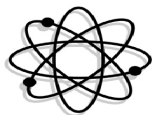
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Quality Control Batch: 10326445		Analyst: VLB						
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Chloride	99.4	mg/L	100	93.46	80.00-120.00	5.92	4.86	20.00
Quality Control Batch: 10326456		Analyst: TDC						
Blank	Result	Units						
Enterococci	1.00U	mpn/100mL						
Quality Control Batch: 10326475		Analyst: PCW						
Blank	Result	Units						
Nitrate(as N)	0.0100U	mg/L						
Nitrite(as N)	0.0200U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Nitrate(as N)	0.980	mg/L	1.00	98.00	85.00-115.00			
Nitrite(as N)	1.09	mg/L	1.00	109.00	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Nitrite(as N)	4.77	mg/L	4.00	119.25	85.00-115.00	0.0200U		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Nitrite(as N)	4.78	mg/L	4.00	119.50	85.00-115.00	0.0200U	0.21	20.00
Quality Control Batch: 10326626		Analyst: PCW						
Blank	Result	Units						
Ammonia (as N)	0.0100U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Ammonia (as N)	0.505	mg/L	0.500	101.00	85.00-115.00			



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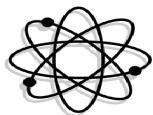
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Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Ammonia (as N)	1.49	mg/L	1.56	95.51	85.00-115.00	0.0100U		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Ammonia (as N)	1.37	mg/L	1.56	87.82	85.00-115.00	0.0100U	8.39	20.00
Quality Control Batch: 10326627		Analyst: PCW						
Blank	Result	Units						
Ammonia (as N)	0.0100U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Ammonia (as N)	0.477	mg/L	0.500	95.40	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Ammonia (as N)	0.789	mg/L	0.780	138.85	85.00-115.00	-0.294		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Ammonia (as N)	0.714	mg/L	0.780	129.23	85.00-115.00	-0.294	9.98	20.00
Quality Control Batch: 10326672		Analyst: EVB						
Blank	Result	Units						
Iron	0.0100U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Iron	4.84	mg/L	5.00	96.74	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Iron	5.55	mg/L	5.00	111.09	70.00-130.00	0.0100U		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Iron	5.15	mg/L	5.00	103.03	70.00-130.00	0.0100U	7.52	20.00



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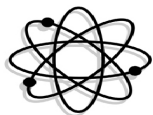
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Quality Control Batch: 10326705		Analyst: VLB						
Blank	Result	Units						
Total Phosphorus(as P)	0.00200U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Total Phosphorus(as P)	0.422	mg/L	0.500	84.40	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
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: 10326770		Analyst: EVB						
Blank	Result	Units						
Mercury	0.0000200U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			



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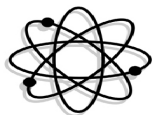
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Quality Control Batch: 10326770		Analyst: EVB							
Laboratory Control Sample		Result	Units	Spike	%REC	%REC Lim			
Mercury		0.00101	mg/L	0.00100	101.30	80.00-120.00			
Matrix Spike		Result	Units	Spike	%REC	%REC Lim	Sample		
Mercury		0.00304	mg/L	0.00300	101.54	80.00-120.00	-0.0000113		
Matrix Spike Duplicate		Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Mercury		0.00310	mg/L	0.00300	103.64	80.00-120.00	-0.0000113	2.05	20.00
Quality Control Batch: 10326801		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		0.0932	mg/L	0.100	93.20	85.00-115.00			
Cadmium		0.0928	mg/L	0.100	92.80	85.00-115.00			
Chromium		0.0972	mg/L	0.100	97.20	85.00-115.00			
Lead		0.0964	mg/L	0.100	96.40	85.00-115.00			
Nickel		0.100	mg/L	0.100	100.30	85.00-115.00			
Zinc		0.106	mg/L	0.100	105.50	85.00-115.00			
Matrix Spike		Result	Units	Spike	%REC	%REC Lim	Sample		
Arsenic		0.119	mg/L	0.100	118.50	70.00-130.00	0.00100U		
Cadmium		0.110	mg/L	0.100	109.90	70.00-130.00	0.000200U		
Chromium		0.110	mg/L	0.100	109.60	70.00-130.00	0.00100U		



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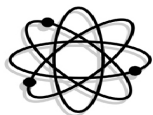
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Quality Control Batch: 10326801		Analyst: EVB						
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Lead	0.122	mg/L	0.100	122.20	70.00-130.00	0.00100U		
Nickel	0.119	mg/L	0.100	119.30	70.00-130.00	0.00100U		
Zinc	0.116	mg/L	0.100	104.20	70.00-130.00	0.0118		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Arsenic	0.117	mg/L	0.100	116.70	70.00-130.00	0.00100U	1.53	20.00
Cadmium	0.106	mg/L	0.100	106.10	70.00-130.00	0.000200U	3.52	20.00
Chromium	0.106	mg/L	0.100	106.20	70.00-130.00	0.00100U	3.15	20.00
Lead	0.120	mg/L	0.100	120.40	70.00-130.00	0.00100U	1.48	20.00
Nickel	0.120	mg/L	0.100	119.60	70.00-130.00	0.00100U	0.25	20.00
Zinc	0.115	mg/L	0.100	102.80	70.00-130.00	0.0118	1.21	20.00
Quality Control Batch: 10326949		Analyst: PCW						
Blank	Result	Units						
TOC	1.00U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
TOC	9.84	mg/L	10.0	98.44	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
TOC	10.6	mg/L	10.0	106.15	80.00-120.00	1.00U		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
TOC	10.2	mg/L	10.0	102.30	80.00-120.00	1.00U	3.69	20.00
Quality Control Batch: 10326950		Analyst: TRB						
Blank	Result	Units						
Chlorophyll a	0.0200U	ug/L						



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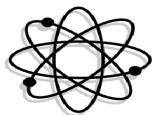
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Quality Control Batch: 10326982		Analyst: VLB						
Blank	Result	Units						
TKN(as N)	0.200U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
TKN(as N)	2.81	mg/L	3.00	93.70	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
TKN(as N)	2.96	mg/L	3.00	90.08	80.00-120.00	0.253		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
TKN(as N)	3.06	mg/L	3.00	93.40	80.00-120.00	0.253	3.32	20.00
Quality Control Batch: 10327555		Analyst: PLB						
Blank	Result	Units						
TDS	2.50U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
TDS	1490	mg/L	1500	99.47	50.00-150.00			
Quality Control Batch: 10327559		Analyst: PCW						
Blank	Result	Units						
Orthophosphate(as P)	0.00200U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Orthophosphate(as P)	0.957	mg/L	1.00	95.72	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Orthophosphate(as P)	0.449	mg/L	0.500	89.73	80.00-120.00	0.00200U		



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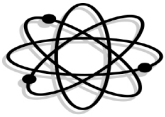
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Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Orthophosphate(as P)	0.467	mg/L	0.500	93.44	80.00-120.00	0.00200U	4.06	20.00



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Narrative Report

Sample Handling

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

Quality Control

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

Attachments

Chain of Custody
Field Data

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