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Data Reporting Sheet - Water Pollution Proficiency Testing Study

Study ID: WP0915

Opening Date: September 8, 2015 - Closing Date: October 23, 2015

Laboratory: Chemtech - NJ
284 Sheffield St., #1
Mountainside, NJ 07092
Contact: Himanshu Prajapati
908-728-3152
EPA Lab ID: NJ00503

Nutrients 2 - Complex (PT-NUT2-WP)				Lot #: 8160-11		
NELAC Code	Analyte	< / >	Result	NELAC / Agency Method Code	Method Description	Analysis Date Analyst (Optional)
1795	Total Kjeldahl Nitrogen (TKN)		mg/L			
1910	Total Phosphorous		mg/L			
Nutrients 3 - Nitrite (PT-NUT3-WP)				Lot #: 8160-69		
NELAC Code	Analyte	< / >	Result	NELAC / Agency Method Code	Method Description	Analysis Date Analyst (Optional)
1840	Nitrite as N		2.47 mg/L		SM4500-NO2	9/22/15 HM
Oil & Grease - 1L (PT-OGRI1L-WP)				Lot #: 8160-103		
NELAC Code	Analyte	< / >	Result	NELAC / Agency Method Code	Method Description	Analysis Date Analyst (Optional)
1860	n-Hexane Extractable Material (O&G) (Gravimetric)		mg/L			
1860	n-Hexane Extractable Material (O&G) (IR)		mg/L			
Residual Chlorine (PT-CL-WP)				Lot #: 8160-13		
NELAC Code	Analyte	< / >	Result	NELAC / Agency Method Code	Method Description	Analysis Date Analyst (Optional)
1940	Total Residual Chlorine		2.62 mg/L		SM4500-CL5	9/22/15 HM
pH (PT-PH-WP)				Lot #: 8160-15		
NELAC Code	Analyte	< / >	Result	NELAC / Agency Method Code	Method Description	Analysis Date Analyst (Optional)
1900	pH		S.U.			
Total Cyanide (PT-CN-WP)				Lot #: 8160-14		
NELAC Code	Analyte	< / >	Result	NELAC / Agency Method Code	Method Description	Analysis Date Analyst (Optional)
1645	Total Cyanide		0.184 mg/L		9012-A1B	9/22/15 HM

Chemtech Consulting Group

Analytical Review Report

Date Printed : 9/22/15

Analyst : HM

Data File : lb77964.csv

Approved By : *mb*

Approved Date : 9/21/15

Worksheet # :

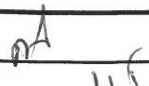
M1012 A-B - Total, Amenable & Reactive Cyanide-15

Lab Sample ID	Client ID		Raw Amt PPB	Dil	Matrix	A. Date	Prep Method	Analysis Method				Line 1
Parameter						%Rec	LCL	UCL	RPD	Max RPD	Units	Line 2
Cyanide												
0.0PPBCN	0.0PPBCN				W	9/22/15						
Cyanide		PASS	-0.087		-0.000						mg/L	
5.0PPBCN	5.0PPBCN				W	9/22/15						
Cyanide		PASS	4.984		0.005						mg/L	
10PPBCN	10PPBCN				W	9/22/15						
Cyanide		PASS	9.900		0.010						mg/L	
50PPBCN	50PPBCN				W	9/22/15						
Cyanide		PASS	49.002		0.049						mg/L	
100PPBCN	100PPBCN				W	9/22/15						
Cyanide		PASS	100.209		0.100						mg/L	
250PPBCN	250PPBCN				W	9/22/15						
Cyanide		PASS	251.864		0.252						mg/L	
500PPBCN	500PPBCN				W	9/22/15						
Cyanide		PASS	499.128		0.499						mg/L	
LOW	LOW				W	9/22/15						
Cyanide		PASS	10.675		0.011						mg/L	
HIGH	HIGH				W	9/22/15						
Cyanide		PASS	508.298		0.508						mg/L	
ICV1	ICV1				W	9/22/15						
Cyanide		PASS	102.039		0.10	100.0	85	115			mg/L	
ICB1	ICB1				W	9/22/15						
Cyanide		PASS	0.001		0.000			+/-0.0025			mg/L	
CCV1	CCV1				W	9/22/15						
Cyanide		PASS	238.420		0.24	96.0	90	110			mg/L	
CCB1	CCB1				W	9/22/15						
Cyanide		PASS	0.180		0.000			+/-0.0025			mg/L	
PB85639BSW	PB85639BSW				W	9/22/15						
Cyanide		PASS	96.587		0.10	100.0	85	115			mg/L	
G3695-24	PT-CN-WP		I		W	9/22/15						
Cyanide		PASS	184.298		0.184						mg/L	
G3707-06	LOQ-WATER2015-02				W	9/22/15						
Cyanide		PASS	9.790		0.01	100.0	50	150			mg/L	
G3707-05	LOD-WATER2015-01		I		W	9/22/15						
Cyanide		PASS	1.288		0.001						mg/L	
G3708-06	FB-91615		I		W	9/22/15						
Cyanide		PASS	0.911		0.001						mg/L	
G3708-06S	FB-91615S		I		W	9/22/15						
Cyanide		PASS	38.459		0.039	98.0	79	123			mg/L	
G3708-06SD	FB-91615SD		I		W	9/22/15						
Cyanide		PASS	38.313		0.038	95.0	79	123	2.6	20	mg/L	

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Lab Sample ID	Client ID		Raw Amt	Dil	Matrix	A. Date	Prep	Analysis			Line 1
Parameter			PPB		Final Conc	%Rec	Method	Method			Line 2
Cyanide											
CCV2	CCV2				W	9/22/15					
Cyanide		PASS	251.864		0.25	100.0	90	110			mg/L
CCB2	CCB2				W	9/22/15					
Cyanide		PASS	0.443		0.000			+/-0.0025			mg/L
PB85639BLW	PB85639BLW				W	9/22/15					
Cyanide		PASS	0.058		0.000			+/-0.0025			mg/L
G3708-06D	FB-91615D			I	W	9/22/15					
Cyanide		PASS	0.931		0.001				0	20	mg/L
CCV3	CCV3				W	9/22/15					
Cyanide		PASS	255.270		0.26	104.0	90	110			mg/L
CCB3	CCB3				W	9/22/15					
Cyanide		PASS	0.255		0.000			+/-0.0025			mg/L

LB77967

Test results

Aquakem 7.2AQ1

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CHEMTECH
284 Sheffield Street,
Mountainside, NJ 07092
Reviewed by : LM

9/22/2015 12:43

Test: Total CN

Sample Id	<u>ug/l</u> Result	Dil. 1 +	Response	Errors
CCV1	238.420	0.0	0.212	
CCB1	0.180	0.0	0.005	
PB85639BSW	96.587	0.0	0.088	
G3695-24	184.298	0.0	0.165	
G3707-06	9.790	0.0	0.013	
G3707-05	1.288	0.0	0.005	
G3708-06	0.911	0.0	0.005	
G3708-06S	38.459	0.0	0.038	
G3708-06SD	38.313	0.0	0.038	
CCV2	251.864	0.0	0.223	
CCB2	0.443	0.0	0.005	
PB85639BLW	0.058	0.0	0.004	
G3708-06D	0.931	0.0	0.005	
CCV23	255.270	0.0	0.226	
CCB23	0.255	0.0	0.005	

9/22/15
N 15
Mean 74.471
SD 103.0236
CV% 138.34

Aquakem v. 7.2AQ1

Results from time period:

Tue Sep 22 10:23:14 2015

Tue Sep 22 12:38:38 2015

HM

Sample Id	Sam/Ctr/c/	Test short	Test type	Result	Result unit	Result date and time	Stat
0.0PPBCN	A	Total CN	P	-0.0867	µg/l	9/22/2015 10:40:23	
5.0PPBCN	A	Total CN	P	4.9838	µg/l	9/22/2015 10:40:24	
10PPBCN	A	Total CN	P	9.9	µg/l	9/22/2015 10:40:25	
50PPBCN	A	Total CN	P	49.0019	µg/l	9/22/2015 10:40:26	
100PPBCN	A	Total CN	P	100.209	µg/l	9/22/2015 10:40:27	
250PPBCN	A	Total CN	P	251.8636	µg/l	9/22/2015 10:40:28	
500PPBCN	A	Total CN	P	499.1284	µg/l	9/22/2015 10:40:29	
LOW	S	Total CN	P	10.6752	µg/l	9/22/2015 11:15:03	
HIGH	S	Total CN	P	508.2979	µg/l	9/22/2015 11:15:05	
ICV1	S	Total CN	P	102.0392	µg/l	9/22/2015 11:15:06	
ICB1	S	Total CN	P	0.0005	µg/l	9/22/2015 11:15:07	
CCV1	S	Total CN	P	238.4203	µg/l	9/22/2015 12:08:29	
CCB1	S	Total CN	P	0.1801	µg/l	9/22/2015 12:08:30	
PB85639BSW	S	Total CN	P	96.5874	µg/l	9/22/2015 12:08:32	
G3695-24	S	Total CN	P	184.2984	µg/l	9/22/2015 12:08:33	
G3707-06	S	Total CN	P	9.7898	µg/l	9/22/2015 12:08:35	
G3707-05	S	Total CN	P	1.2885	µg/l	9/22/2015 12:08:36	
G3708-06	S	Total CN	P	0.9113	µg/l	9/22/2015 12:08:37	
G3708-06S	S	Total CN	P	38.4589	µg/l	9/22/2015 12:08:38	
G3708-06SD	S	Total CN	P	38.3135	µg/l	9/22/2015 12:08:39	
CCV2	S	Total CN	P	251.8636	µg/l	9/22/2015 12:13:44	
CCB2	S	Total CN	P	0.4432	µg/l	9/22/2015 12:13:45	
PB85639BLW	S	Total CN	P	0.0582	µg/l	9/22/2015 12:38:35	
G3708-06D	S	Total CN	P	0.9308	µg/l	9/22/2015 12:38:36	
CCV3	S	Total CN	P	255.2698	µg/l	9/22/2015 12:38:37	
CCB3	S	Total CN	P	0.2549	µg/l	9/22/2015 12:38:38	

Test results

Aquakem 7.2AQ1

Page: 1

CHEMTECH
284 Sheffield Street,
Mountainside, NJ 07092
Reviewed by : HM

9/22/2015 11:28

Test: Total CN

Sample Id	<i>ug/l</i> Result	Dil. 1 +	Response	Errors
LOW	10.675	0.0	0.014	
HIGH	508.298	0.0	0.446	Test limit high
ICV1	102.039	0.0	0.093	
ICB1	0.000	0.0	0.004	

N	4
Mean	155.253
SD	239.7766
CV%	154.44

CHEMTECH
284 Sheffield Street,
Mountainside, NJ 07092
Reviewed by : MM

9/22/2015 10:57

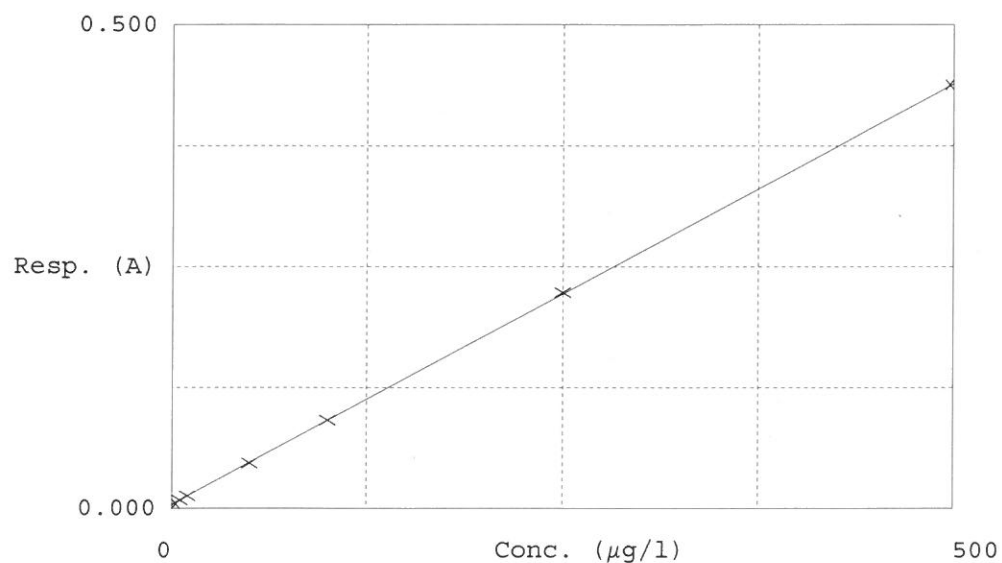
Test Total CN

Accepted 9/22/2015 10:57

Factor 1151
Bias 0.004

Coeff. of det. 0.999974

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.0PPBCN	0.004	-0.0867	0.0000	
2	5.0PPBCN	0.009	4.9838	5.0000	
3	10PPBCN	0.013	9.9000	10.0000	
4	50PPBCN	0.047	49.0019	50.0000	
5	100PPBCN	0.091	100.2090	100.0000	
6	250PPBCN	0.223	251.8636	250.0000	
7	500PPBCN	0.438	499.1284	500.0000	