

LB87612

Test results

Aquakem 7.2AQ1

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

5/22/2017 15:34

Test: Total CN

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	93.230	0.0	0.101	
ICB1	-0.068	0.0	0.004	
CCV1	240.355	0.0	0.253	
CCB1	-0.082	0.0	0.004	
PB99111BL	-0.185	0.0	0.004	
PB99111BS	98.314	0.0	0.106	
I3221-02	127.637	0.0	0.136	
I3221-02DUP	126.817	0.0	0.135	
I3221-03MS	147.783	0.0	0.157	
I3221-04MSD	150.031	0.0	0.159	
I3221-10	558.487	0.0	0.582	Test limit high
I3224-01	1035.115	0.0	1.075	Test limit high
CCV2	244.869	0.0	0.257	
CCB2	-0.383	0.0	0.004	
I3235-04	0.143	0.0	0.004	
I3235-04DUP	0.138	0.0	0.004	
I3235-04MS	29.997	0.0	0.035	
I3235-04MSD	30.052	0.0	0.035	
PB99142BL	-0.424	0.0	0.004	
PB99142BS	92.652	0.0	0.100	
LOWPB99142	9.404	0.0	0.014	
HIGHPB99142	479.140	0.0	0.500	
I3249-02	0.746	0.0	0.005	
I3249-02DUP	0.635	0.0	0.005	
CCV3	243.712	0.0	0.256	
CCB3	0.572	0.0	0.005	
I3249-02MS	35.783	0.0	0.041	
I3249-02MSD	35.650	0.0	0.041	
I3249-04	0.701	0.0	0.005	
I3249-06	-0.088	0.0	0.004	
I3249-08	-0.286	0.0	0.004	
I3249-10	-0.228	0.0	0.004	
I3249-12	0.092	0.0	0.004	
I3249-14	0.223	0.0	0.005	
I3249-16	0.370	0.0	0.005	
I3250-01	3.225	0.0	0.008	
CCV4	244.934	0.0	0.258	
CCB4	-0.166	0.0	0.004	
I3252-01	-0.036	0.0	0.004	
PB99143BL	-0.138	0.0	0.004	
PB99143BS	99.956	0.0	0.108	
I3257-01	1.109	0.0	0.005	
I3257-01DUP	1.388	0.0	0.006	
I3257-01MS	29.663	0.0	0.035	
I3257-01MSD	29.855	0.0	0.035	
I3261-01	0.393	0.0	0.005	
I3264-01	0.364	0.0	0.005	
I3278-01	1.362	0.0	0.006	
CCV5	246.866	0.0	0.260	
CCB5	-0.322	0.0	0.004	
I3278-04	0.408	0.0	0.005	
I3278-07	-0.060	0.0	0.004	
CCV6	237.340	0.0	0.250	
CCB6	0.072	0.0	0.004	
LOWPB99111	9.743	0.0	0.014	

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5-23-17

CB81612

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5/22/2017 15:34

Test: Total CN

Sample Id	Result	Dil. 1 +	Response	Errors
HIGHPB99111	508.988	0.0	0.531	Test limit high
I3221-01	23.565	0.0	0.029	
I3221-05	129.275	0.0	0.138	
I3221-07	16.698	0.0	0.022	
I3221-08	20.179	0.0	0.025	
I3221-11	28.807	0.0	0.034	
I3221-12	28.865	0.0	0.034	
PB99115BL	-0.112	0.0	0.004	
PB99115BS	102.421	0.0	0.110	
CCV87	254.900	0.0	0.268	
CCB87	0.442	0.0	0.005	
I3221-10DLX2	303.988	0.0	0.319	
I3224-01DLX5	224.794	0.0	0.237	
I3221-06	27.110	0.0	0.032	
I3221-09	20.522	0.0	0.025	
CCV8	258.156	0.0	0.271	
CCB8	-0.176	0.0	0.004	

N 72
Mean 92.157
SD 169.5366
CV% 183.97

AK
5-22-17

UB 87612

Aquakem v. 7.2AQ1

Results from time period:

Mon May 22 13:22:08 2017

Mon May 22 15:22:54 2017

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Sample Id	Sam/Ctr/c	Test short	Test type	Result	Result unit	Result date and time	Stat
0.OPPBCN	A	Total CN	P	-0.4513	µg/l	5/22/2017 11:26:06	
5.OPPBCN	A	Total CN	P	4.2533	µg/l	5/22/2017 11:26:07	
10PPBCN	A	Total CN	P	9.5217	µg/l	5/22/2017 11:26:08	
50PPBCN	A	Total CN	P	48.782	µg/l	5/22/2017 11:26:09	
100PPBCN	A	Total CN	P	101.6587	µg/l	5/22/2017 11:26:10	
250PPBCN	A	Total CN	P	252.8569	µg/l	5/22/2017 11:26:11	
500PPBCN	A	Total CN	P	498.3787	µg/l	5/22/2017 11:26:12	
ICV1	S	Total CN	P	93.2304	µg/l	5/22/2017 13:22:08	
ICB1	S	Total CN	P	-0.0677	µg/l	5/22/2017 13:22:09	
CCV1	S	Total CN	P	240.3548	µg/l	5/22/2017 13:22:10	
CCB1	S	Total CN	P	-0.0816	µg/l	5/22/2017 13:22:11	
PB99111BL	S	Total CN	P	-0.185	µg/l	5/22/2017 13:22:12	
PB99111BS	S	Total CN	P	98.3139	µg/l	5/22/2017 13:22:13	
I3221-02	S	Total CN	P	127.6369	µg/l	5/22/2017 13:22:17	
I3221-02DUP	S	Total CN	P	126.8172	µg/l	5/22/2017 13:22:18	
I3221-03	S	Total CN	P	147.7831	µg/l	5/22/2017 13:29:43	
I3221-04	S	Total CN	P	150.0315	µg/l	5/22/2017 13:29:44	
I3221-10	S	Total CN	P	558.4871	µg/l	5/22/2017 13:29:52	
I3224-01	S	Total CN	P	1035.116	µg/l	5/22/2017 13:37:21	
CCV2	S	Total CN	P	244.8686	µg/l	5/22/2017 13:37:22	
CCB2	S	Total CN	P	-0.3834	µg/l	5/22/2017 13:37:23	
I3235-04	S	Total CN	P	0.1427	µg/l	5/22/2017 13:37:24	
I3235-04DUP	S	Total CN	P	0.1379	µg/l	5/22/2017 13:37:25	
I3235-04MS	S	Total CN	P	29.9969	µg/l	5/22/2017 13:37:26	
I3235-04MSD	S	Total CN	P	30.0519	µg/l	5/22/2017 13:37:27	
PB99142BL	S	Total CN	P	-0.4243	µg/l	5/22/2017 13:37:28	
PB99142BS	S	Total CN	P	92.6519	µg/l	5/22/2017 13:44:53	
LOWPB99142	S	Total CN	P	9.4042	µg/l	5/22/2017 13:44:54	
HIGHPB99142	S	Total CN	P	479.1398	µg/l	5/22/2017 13:44:55	
I3249-02	S	Total CN	P	0.7463	µg/l	5/22/2017 13:44:56	
I3249-02DUP	S	Total CN	P	0.6345	µg/l	5/22/2017 13:44:57	
CCV3	S	Total CN	P	243.712	µg/l	5/22/2017 13:44:58	
CCB3	S	Total CN	P	0.5721	µg/l	5/22/2017 13:44:59	
I3249-02MS	S	Total CN	P	35.7826	µg/l	5/22/2017 13:45:00	
I3249-02MSD	S	Total CN	P	35.65	µg/l	5/22/2017 13:45:01	
I3249-04	S	Total CN	P	0.7014	µg/l	5/22/2017 13:45:02	
I3249-06	S	Total CN	P	-0.0882	µg/l	5/22/2017 13:45:03	
I3249-08	S	Total CN	P	-0.286	µg/l	5/22/2017 13:52:28	
I3249-10	S	Total CN	P	-0.2282	µg/l	5/22/2017 13:52:29	
I3249-12	S	Total CN	P	0.0921	µg/l	5/22/2017 13:52:30	
I3249-14	S	Total CN	P	0.2232	µg/l	5/22/2017 13:52:31	
I3249-16	S	Total CN	P	0.3702	µg/l	5/22/2017 13:52:32	

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I3250-01	S	Total CN	P	3.2246 µg/l	5/22/2017 13:52:33
CCV4	S	Total CN	P	244.9344 µg/l	5/22/2017 13:52:34
CCB4	S	Total CN	P	-0.1656 µg/l	5/22/2017 13:52:35
I3252-01	S	Total CN	P	-0.0363 µg/l	5/22/2017 13:52:36
PB99143BL	S	Total CN	P	-0.1384 µg/l	5/22/2017 13:52:37
PB99143BS	S	Total CN	P	99.9556 µg/l	5/22/2017 13:52:38
I3257-01	S	Total CN	P	1.1094 µg/l	5/22/2017 14:00:00
I3257-01DUP	S	Total CN	P	1.3879 µg/l	5/22/2017 14:00:01
I3257-01MS	S	Total CN	P	29.6628 µg/l	5/22/2017 14:00:02
I3257-01MSD	S	Total CN	P	29.8547 µg/l	5/22/2017 14:00:03
I3261-01	S	Total CN	P	0.3931 µg/l	5/22/2017 14:00:04
I3264-01	S	Total CN	P	0.3641 µg/l	5/22/2017 14:00:05
I3278-01	S	Total CN	P	1.3617 µg/l	5/22/2017 14:00:06
CCV5	S	Total CN	P	246.8656 µg/l	5/22/2017 14:00:07
CCB5	S	Total CN	P	-0.3222 µg/l	5/22/2017 14:00:08
I3278-04	S	Total CN	P	0.4076 µg/l	5/22/2017 14:00:09
I3278-07	S	Total CN	P	-0.0597 µg/l	5/22/2017 14:00:10
CCV6	S	Total CN	P	237.3401 µg/l	5/22/2017 14:05:43
CCB6	S	Total CN	P	0.0722 µg/l	5/22/2017 14:05:44
LOWPB99111	S	Total CN	P	9.7427 µg/l	5/22/2017 14:15:59
HIGHPB99111	S	Total CN	P	508.9883 µg/l	5/22/2017 14:17:19
I3221-01	S	Total CN	P	23.5647 µg/l	5/22/2017 14:19:15
I3221-05	S	Total CN	P	129.2747 µg/l	5/22/2017 14:21:28
I3221-07	S	Total CN	P	16.6984 µg/l	5/22/2017 14:21:29
I3221-08	S	Total CN	P	20.1789 µg/l	5/22/2017 14:27:11
I3221-11	S	Total CN	P	28.8073 µg/l	5/22/2017 14:27:12
I3221-12	S	Total CN	P	28.8646 µg/l	5/22/2017 14:27:13
PB99115BL	S	Total CN	P	-0.1121 µg/l	5/22/2017 14:27:14
PB99115BS	S	Total CN	P	102.4213 µg/l	5/22/2017 14:27:15
CCV7	S	Total CN	P	254.9004 µg/l	5/22/2017 14:27:16
CCB7	S	Total CN	P	0.442 µg/l	5/22/2017 14:27:17
I3221-10DLX2	S	Total CN	P	303.9877 µg/l	5/22/2017 14:56:36
I3224-01DLX5	S	Total CN	P	224.7942 µg/l	5/22/2017 14:56:37
I3221-06	S	Total CN	P	27.1097 µg/l	5/22/2017 15:22:50
I3221-09	S	Total CN	P	20.5216 µg/l	5/22/2017 15:22:51
CCV8	S	Total CN	P	258.1556 µg/l	5/22/2017 15:22:53
CCB8	S	Total CN	P	-0.1757 µg/l	5/22/2017 15:22:54

CB87612

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Calibration results	Aquakem 7.2AQ1	Page:	1
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CHEMTECH
284 Sheffield Street,
Mountainside, NJ 07092
Reviewed by : AK

5/22/2017 11:26

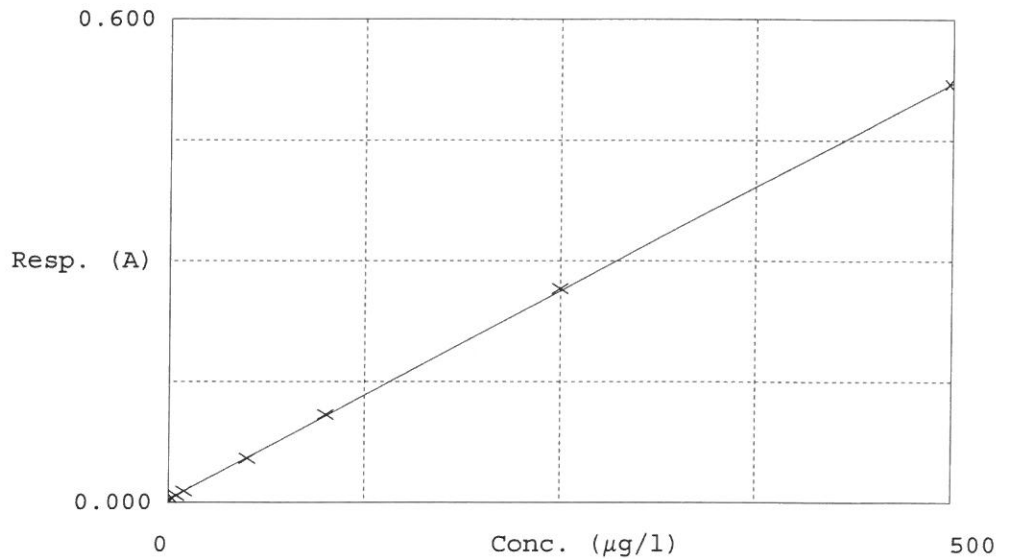
Test Total CN

Accepted 5/22/2017 11:26

Factor 967.1
Bias 0.004

Coeff. of det. 0.999922

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.0PPBCN	0.004	-0.4513	0.0000	
2	5.0PPBCN	0.009	4.2533	5.0000	
3	10PPBCN	0.014	9.5217	10.0000	
4	50PPBCN	0.055	48.7820	50.0000	
5	100PPBCN	0.109	101.6587	100.0000	
6	250PPBCN	0.266	252.8569	250.0000	
7	500PPBCN	0.520	498.3787	500.0000	