

LB104423

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Calibration results

Aquakem 7.2AQ1

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

Instrument ID : Konelab

8/5/2019 9:06

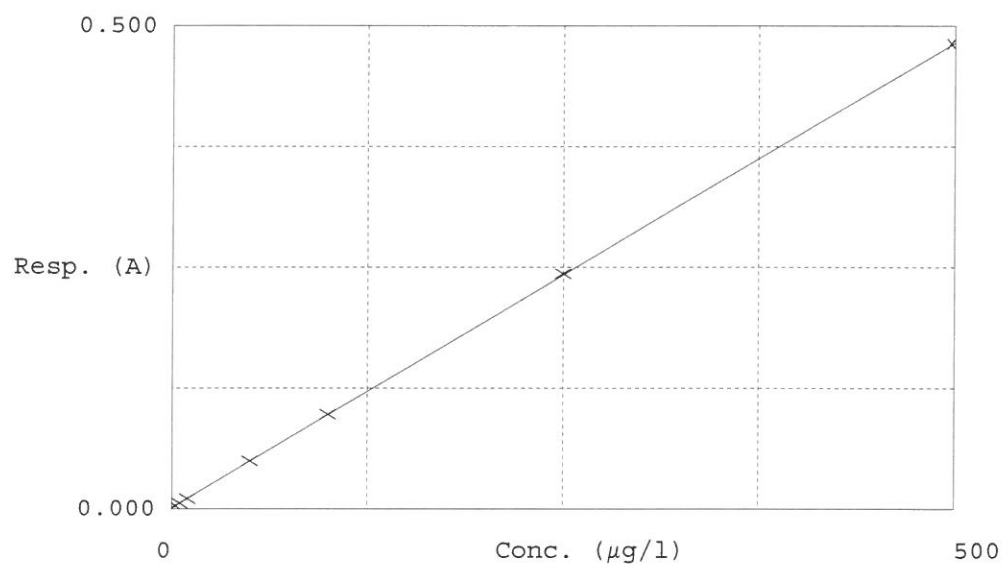
Test Total CN

Accepted 8/5/2019 9:06

Factor 1040
Bias 0.002

Coeff. of det. 0.999982

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.0PPBCN	0.001	-0.4108	0.0000	
2	5.0PPBCN	0.006	4.6001	5.0000	
3	10PPBCN	0.011	9.6363	10.0000	
4	50PPBCN	0.050	50.1421	50.0000	
5	100PPBCN	0.098	100.3289	100.0000	
6	250PPBCN	0.244	251.5440	250.0000	
7	500PPBCN	0.482	499.1592	500.0000	

CHEMTECH
284 Sheffield Street,
Mountainside, NJ 07092
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8/5/2019 13:27

Test: Total CN

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	96.462	0.0	0.094	
ICB1	0.171	0.0	0.002	
CCV1	245.443	0.0	0.238	
CCB1	2.384	0.0	0.004	
PB121927BL	0.566	0.0	0.002	
PB121927BS	98.127	0.0	0.096	
LOWPB121927	10.579	0.0	0.012	
HIGHPB121927	491.211	0.0	0.474	
K4093-01	3.797	0.0	0.005	
K4093-01DUP	3.434	0.0	0.005	
K4093-01MSD	39.131	0.0	0.039	
K4124-01	2.486	0.0	0.004	
PB121950BL	0.888	0.0	0.002	
CCV2	244.681	0.0	0.237	
CCB2	-0.055	0.0	0.001	
PB121950BS	98.375	0.0	0.096	
K4140-21	0.608	0.0	0.002	
K4140-21DUP	0.405	0.0	0.002	
K4140-41MS	23.961	0.0	0.025	
K4140-21MS	23.975	0.0	0.025	
K4140-42MSD	536.075	0.0	0.517	Test limit high
K4140-22	5133.701	0.0	4.940	Test limit high
K4140-23	11.882	0.0	0.013	
K4140-24	57.944	0.0	0.057	
K4140-25	387.844	0.0	0.375	
CCV3	246.759	0.0	0.239	
CCB3	1.211	0.0	0.003	
K4140-27	177.131	0.0	0.172	
K4140-28	1227.546	0.0	1.182	Test limit high
K4140-29	10447.278	0.0	10.051	Abs. high, Test limit hig
K4140-30	114.289	0.0	0.111	
K4140-31	648.529	0.0	0.625	Test limit high, Blank re
K4140-33	0.321	0.0	0.002	
K4140-34	0.568	0.0	0.002	
K4140-35	11.795	0.0	0.013	
K4140-36	1.047	0.0	0.003	
CCV4	243.863	0.0	0.236	
CCB4	0.506	0.0	0.002	
K4140-37	1.139	0.0	0.003	
K4140-39	1.440	0.0	0.003	
K4140-40	10.806	0.0	0.012	
PB121951BL	0.135	0.0	0.002	
PB121951BS	96.856	0.0	0.095	
LOWPB121951	9.934	0.0	0.011	
HIGHPB121951	487.879	0.0	0.471	
K4141-01	2.315	0.0	0.004	
K4141-01DUP	1.784	0.0	0.003	
CCV5	244.488	0.0	0.237	
CCB5	0.582	0.0	0.002	
K4141-01MS	47.267	0.0	0.047	
K4141-01MSD	47.567	0.0	0.047	
K4141-02	126.013	0.0	0.123	
K4141-03	35.588	0.0	0.036	
K4141-04	610.905	0.0	0.589	Test limit high
K4141-05	100.809	0.0	0.099	

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

Instrument ID : Konelab

8/5/2019 13:27

Test: Total CN

Sample Id	Result	Dil. 1 +	Response	Errors
K4141-06	24.494	0.0	0.025	
K4141-07	23.031	0.0	0.024	
K4141-08	0.992	0.0	0.002	
K4141-09	0.563	0.0	0.002	
CCV6	247.491	0.0	0.240	
CCB6	0.569	0.0	0.002	
K4141-10	2.666	0.0	0.004	
K4141-11	16.351	0.0	0.017	
K4141-12	0.392	0.0	0.002	
K4141-13	0.896	0.0	0.002	
K4141-15	4.121	0.0	0.005	
K4141-16	45.575	0.0	0.045	
K4141-17	8.071	0.0	0.009	
K4141-18	1089.548	0.0	1.050	Test limit high
K4141-19	85.347	0.0	0.084	
CCV7	248.789	0.0	0.241	
CCB7	1.948	0.0	0.003	
K4141-20	3206.140	0.0	3.086	Test limit high
K4141-21	2309.613	0.0	2.223	Test limit high
K4141-22	10.618	0.0	0.012	
K4093-01MS	38.738	0.0	0.039	
K4140-38	1.510	0.0	0.003	
K4141-14	33.039	0.0	0.033	
K4140-32	3.287	0.0	0.005	
CCV8	263.265	0.0	0.255	
CCB8	0.925	0.0	0.002	

N	81
Mean	371.956
SD	1346.0118
CV%	361.87

CHEMTECH
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Instrument ID : Konelab

8/5/2019 14:21

Test: Total CN

Sample Id	Result	Dil. 1 +	Response	Errors
CCV9	239.029	0.0	0.231	
CCB9	-0.034	0.0	0.001	
K4141-04DLX2	302.965	0.0	0.293	
K4141-18DLX5	220.892	0.0	0.214	
K4141-20DLX10	335.147	0.0	0.324	
K4141-21DLX10	229.920	0.0	0.223	
K4140-22DLX2	273.507	0.0	0.265	
K4140-23DLX20	274.310	0.0	0.265	
K4140-28DLX5	246.398	0.0	0.239	
K4140-29DLX50	161.884	0.0	0.157	
K4140-31DLX2	308.001	0.0	0.298	
CCV10	257.522	0.0	0.249	
CCB10	-0.904	0.0	0.001	

N	13
Mean	219.126
SD	106.7888
CV%	48.73

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Aquakem v. 7.2AQ1

Results from time period:

Mon Aug 05 11:37:51 2019

Mon Aug 05 14:17:55 2019

Sample Id	Sam/Ctr/c	Test short	Test type	Result	Result unit	Result date and time	Stat
0.0PPBCN	A	Total CN	P	-0.4108	µg/l	8/5/2019 8:46:52	
5.0PPBCN	A	Total CN	P	4.6001	µg/l	8/5/2019 8:46:53	
10PPBCN	A	Total CN	P	9.6363	µg/l	8/5/2019 8:46:54	
50PPBCN	A	Total CN	P	50.1421	µg/l	8/5/2019 8:46:55	
100PPBCN	A	Total CN	P	100.3289	µg/l	8/5/2019 8:46:56	
250PPBCN	A	Total CN	P	251.544	µg/l	8/5/2019 8:46:57	
500PPBCN	A	Total CN	P	499.1592	µg/l	8/5/2019 8:46:58	
ICV1	S	Total CN	P	96.4623	µg/l	8/5/2019 11:37:51	
ICB1	S	Total CN	P	0.1707	µg/l	8/5/2019 11:37:52	
CCV1	S	Total CN	P	245.4434	µg/l	8/5/2019 11:37:53	
CCB1	S	Total CN	P	2.3845	µg/l	8/5/2019 11:37:54	
PB121927BL	S	Total CN	P	0.5659	µg/l	8/5/2019 11:37:55	
PB121927BS	S	Total CN	P	98.1269	µg/l	8/5/2019 11:37:56	
LOWPB121927	S	Total CN	P	10.5792	µg/l	8/5/2019 11:37:57	
HIGHPB121927	S	Total CN	P	491.2107	µg/l	8/5/2019 11:37:58	
K4093-01	S	Total CN	P	3.7969	µg/l	8/5/2019 11:37:59	
K4093-01DUP	S	Total CN	P	3.4345	µg/l	8/5/2019 11:38:00	
K4093-01MSD	S	Total CN	P	39.1308	µg/l	8/5/2019 11:45:26	
K4124-01	S	Total CN	P	2.4864	µg/l	8/5/2019 11:45:27	
PB121950BL	S	Total CN	P	0.8879	µg/l	8/5/2019 11:45:28	
CCV2	S	Total CN	P	244.6814	µg/l	8/5/2019 11:45:29	
CCB2	S	Total CN	P	-0.0552	µg/l	8/5/2019 11:45:30	
PB121950BS	S	Total CN	P	98.3746	µg/l	8/5/2019 11:45:31	
K4140-21	S	Total CN	P	0.6081	µg/l	8/5/2019 11:45:32	
K4140-21DUP	S	Total CN	P	0.4054	µg/l	8/5/2019 11:45:33	
K4140-41MS	S	Total CN	P	23.9609	µg/l	8/5/2019 11:45:34	
K4140-42MSD	S	Total CN	P	23.9745	µg/l	8/5/2019 11:45:35	
K4140-22	S	Total CN	P	536.0754	µg/l	8/5/2019 11:45:36	
K4140-23	S	Total CN	P	5133.701	µg/l	8/5/2019 11:53:01	
K4140-24	S	Total CN	P	11.8821	µg/l	8/5/2019 11:53:02	
K4140-25	S	Total CN	P	57.944	µg/l	8/5/2019 11:53:03	
K4140-26	S	Total CN	P	387.8438	µg/l	8/5/2019 11:53:04	
CCV3	S	Total CN	P	246.7587	µg/l	8/5/2019 11:53:05	
CCB3	S	Total CN	P	1.2114	µg/l	8/5/2019 11:53:06	
K4140-27	S	Total CN	P	177.1307	µg/l	8/5/2019 11:53:07	
K4140-28	S	Total CN	P	1227.546	µg/l	8/5/2019 11:53:08	
K4140-29	S	Total CN	P	10447.28	µg/l	8/5/2019 11:53:09	
K4140-30	S	Total CN	P	114.2885	µg/l	8/5/2019 11:53:10	
K4140-31	S	Total CN	P	648.5295	µg/l	8/5/2019 11:53:11	
K4140-33	S	Total CN	P	0.3214	µg/l	8/5/2019 12:00:37	
K4140-34	S	Total CN	P	0.568	µg/l	8/5/2019 12:00:38	
K4140-35	S	Total CN	P	11.7946	µg/l	8/5/2019 12:00:39	

CT

K4140-36	S	Total CN	P	1.0465 µg/l	8/5/2019 12:00:40
CCV4	S	Total CN	P	243.8631 µg/l	8/5/2019 12:00:41
CCB4	S	Total CN	P	0.5056 µg/l	8/5/2019 12:00:42
K4140-37	S	Total CN	P	1.1391 µg/l	8/5/2019 12:00:43
K4140-39	S	Total CN	P	1.4403 µg/l	8/5/2019 12:00:45
K4140-40	S	Total CN	P	10.8059 µg/l	8/5/2019 12:00:46
PB121951BL	S	Total CN	P	0.1355 µg/l	8/5/2019 12:08:11
PB121951BS	S	Total CN	P	96.8556 µg/l	8/5/2019 12:08:12
LOWPB121951	S	Total CN	P	9.9338 µg/l	8/5/2019 12:08:13
HIGHPB121951	S	Total CN	P	487.8789 µg/l	8/5/2019 12:08:14
K4141-01	S	Total CN	P	2.3146 µg/l	8/5/2019 12:08:15
K4141-01DUP	S	Total CN	P	1.7841 µg/l	8/5/2019 12:08:16
CCV5	S	Total CN	P	244.4881 µg/l	8/5/2019 12:08:17
CCB5	S	Total CN	P	0.5816 µg/l	8/5/2019 12:08:18
K4141-01MS	S	Total CN	P	47.267 µg/l	8/5/2019 12:08:19
K4141-01MSD	S	Total CN	P	47.5673 µg/l	8/5/2019 12:08:20
K4141-02	S	Total CN	P	126.0129 µg/l	8/5/2019 12:08:21
K4141-03	S	Total CN	P	35.5878 µg/l	8/5/2019 12:15:46
K4141-04	S	Total CN	P	610.9049 µg/l	8/5/2019 12:15:47
K4141-05	S	Total CN	P	100.8091 µg/l	8/5/2019 12:15:48
K4141-06	S	Total CN	P	24.4942 µg/l	8/5/2019 12:15:49
K4141-07	S	Total CN	P	23.0313 µg/l	8/5/2019 12:15:50
K4141-08	S	Total CN	P	0.992 µg/l	8/5/2019 12:15:51
K4141-09	S	Total CN	P	0.5629 µg/l	8/5/2019 12:15:52
CCV6	S	Total CN	P	247.4912 µg/l	8/5/2019 12:15:53
CCB6	S	Total CN	P	0.569 µg/l	8/5/2019 12:15:54
K4141-10	S	Total CN	P	2.6664 µg/l	8/5/2019 12:15:55
K4141-11	S	Total CN	P	16.3513 µg/l	8/5/2019 12:15:56
K4141-12	S	Total CN	P	0.3924 µg/l	8/5/2019 12:23:18
K4141-13	S	Total CN	P	0.8964 µg/l	8/5/2019 12:23:19
K4141-15	S	Total CN	P	4.1214 µg/l	8/5/2019 12:23:21
K4141-16	S	Total CN	P	45.5754 µg/l	8/5/2019 12:23:22
K4141-17	S	Total CN	P	8.0706 µg/l	8/5/2019 12:23:23
K4141-18	S	Total CN	P	1089.548 µg/l	8/5/2019 12:23:24
K4141-19	S	Total CN	P	85.3472 µg/l	8/5/2019 12:23:25
CCV7	S	Total CN	P	248.7887 µg/l	8/5/2019 12:23:26
CCB7	S	Total CN	P	1.9476 µg/l	8/5/2019 12:23:27
K4141-20	S	Total CN	P	3206.14 µg/l	8/5/2019 12:23:28
K4141-21	S	Total CN	P	2309.613 µg/l	8/5/2019 12:29:57
K4141-22	S	Total CN	P	10.6177 µg/l	8/5/2019 12:29:58
K4093-01MS	S	Total CN	P	38.7382 µg/l	8/5/2019 12:30:00
K4140-38	S	Total CN	P	1.5096 µg/l	8/5/2019 12:56:13
K4141-14	S	Total CN	P	33.0392 µg/l	8/5/2019 12:56:14
K4140-32	S	Total CN	P	3.2871 µg/l	8/5/2019 13:13:44
CCV8	S	Total CN	P	263.2648 µg/l	8/5/2019 13:13:46
CCB8	S	Total CN	P	0.9246 µg/l	8/5/2019 13:13:47
CCV9	S	Total CN	P	239.0293 µg/l	8/5/2019 14:14:31

CT

CCB9	S	Total CN	P	-0.0343 µg/l	8/5/2019 14:14:32
K4141-04DLX2	S	Total CN	P	302.965 µg/l	8/5/2019 14:14:33
K4141-18DLX5	S	Total CN	P	220.892 µg/l	8/5/2019 14:14:34
K4141-20DLX10	S	Total CN	P	335.1472 µg/l	8/5/2019 14:14:35
K4141-21DLX10	S	Total CN	P	229.9195 µg/l	8/5/2019 14:14:36
K4140-22DLX2	S	Total CN	P	273.5073 µg/l	8/5/2019 14:14:37
K4140-23DLX20	S	Total CN	P	274.3102 µg/l	8/5/2019 14:14:38
K4140-28DLX5	S	Total CN	P	246.3981 µg/l	8/5/2019 14:14:39
K4140-29DLX50	S	Total CN	P	161.8839 µg/l	8/5/2019 14:14:40
K4140-31DLX2	S	Total CN	P	308.001 µg/l	8/5/2019 14:14:41
CCV10	S	Total CN	P	257.5225 µg/l	8/5/2019 14:17:54
CCB10	S	Total CN	P	-0.9041 µg/l	8/5/2019 14:17:55