

21399724

Test results

Aquakem 7.2AQ1

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

12/11/2018 11:41

Test: Total CN

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	97.316	0.0	0.090	
ICB1	-0.721	0.0	0.004	
CCV1	237.979	0.0	0.214	
CCB1	-0.637	0.0	0.004	
PB115466BL	-0.745	0.0	0.004	
PB115466BS	98.572	0.0	0.091	
LOWPB115466	12.515	0.0	0.016	
HIGHPB115466	477.931	0.0	0.425	
J6247-01X100	209.127	0.0	0.188	
J6247-01DUPX100	211.871	0.0	0.191	
J6247-01MSX100	203.184	0.0	0.183	
J6247-01MSDX100	200.460	0.0	0.181	
J6247-02X100	134.272	0.0	0.123	
J6247-03X100	604.413	0.0	0.536	Test limit high
CCV2	240.536	0.0	0.216	
CCB2	-0.309	0.0	0.004	
J6247-04X100	18.592	0.0	0.021	
J6247-05X100	1969.704	0.0	1.735	Test limit high
J6247-06X100	2083.933	0.0	1.836	Test limit high
J6247-07X100	27.898	0.0	0.029	
J6247-08X100	42.388	0.0	0.042	
J6247-09X100	27.933	0.0	0.029	
J6247-10X100	12.729	0.0	0.016	
PB115467BS	97.318	0.0	0.090	
CCV3	235.187	0.0	0.211	
CCB3	-0.556	0.0	0.004	
J6247-13X100	16.343	0.0	0.019	
J6247-14X100	3167.815	0.0	2.788	Test limit high
J6247-15X100	717.329	0.0	0.635	Test limit high
J6247-16X100	6125.849	0.0	5.387	Test limit high
J6247-17X100	216.102	0.0	0.194	
J6247-18X100	1718.209	0.0	1.514	Test limit high
CCV4	240.171	0.0	0.216	
CCB4	0.912	0.0	0.005	
PB115469BL	-0.758	0.0	0.004	
PB115469BS	96.940	0.0	0.090	
J6310-01X100	308.903	0.0	0.276	
J6310-01DUPX100	316.237	0.0	0.282	
J6310-01MSX100	300.086	0.0	0.268	
J6310-01MSDX100	298.794	0.0	0.267	
J6310-02X100	126.183	0.0	0.115	
J6310-03X100	295.375	0.0	0.264	
CCV5	240.225	0.0	0.216	
CCB5	0.178	0.0	0.005	
J6310-05X100	770.859	0.0	0.682	Test limit high
J6310-06X100	17.773	0.0	0.020	
J6310-07X100	110.738	0.0	0.102	
J6310-08X100	17.086	0.0	0.020	
J6310-09X100	1735.621	0.0	1.530	Test limit high
J6310-10X100	2698.916	0.0	2.376	Test limit high
J6310-11X100	1236.808	0.0	1.091	Test limit high
J6246-15DL2X500	174.821	0.0	0.158	
J6246-19DL2X1000	10.968	0.0	0.014	
J6310-04 X100	404.629	0.0	0.360	
CCV6	240.403	0.0	0.216	

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Sample Id	Result	Dil. 1 +	Response	Errors
CCB6	-0.134	0.0	0.004	
J6247-03DLX500	115.991	0.0	0.107	
J6247-05DLX5000	40.592	0.0	0.040	
J6247-06DLX5000	42.977	0.0	0.042	
J6247-11	248.450	0.0	0.223	
J6247-11DUP	250.453	0.0	0.225	
J6247-11MS	288.219	0.0	0.258	
J6247-11MSD	289.069	0.0	0.259	
J6247-14DLX5000	61.153	0.0	0.058	
J6247-15DLX500	139.715	0.0	0.127	
J6247-16DL2X5000	123.590	0.0	0.113	
CCV7	240.417	0.0	0.216	
CCB7	-0.500	0.0	0.004	
J6310-09DL2X2000	87.518	0.0	0.082	
J6310-11DL2X1000	120.359	0.0	0.110	
J6247-18DL2X1000	169.591	0.0	0.154	
J6310-05DL2X500	156.708	0.0	0.142	
J6310-10DLX5000	52.786	0.0	0.051	
PB115467BL	-0.683	0.0	0.004	
J6247-12X10	43.349	0.0	0.043	
J6247-20X10	72.462	0.0	0.068	
J6247-21	170.637	0.0	0.155	
CCV8	249.204	0.0	0.224	
CCB8	-0.657	0.0	0.004	

N	79
Mean	402.603
SD	886.8399
CV%	220.28

Aquakem v. 7.2AQ1

Results from time period:

Tue Dec 11 07:43:54 2018

Tue Dec 11 11:37:13 2018

AS

Sample Id	Sam/Ctr/c/	Test short	Test type	Result	Result unit	Result date and time
0.0PPBCN	A	Total CN	P	-1.4118	µg/l	12/11/2018 7:43:54
5.0PPBCN	A	Total CN	P	3.9441	µg/l	12/11/2018 7:43:55
10PPBCN	A	Total CN	P	11.9262	µg/l	12/11/2018 7:43:56
50PPBCN	A	Total CN	P	47.6744	µg/l	12/11/2018 7:43:57
100PPBCN	A	Total CN	P	102.1365	µg/l	12/11/2018 7:43:58
250PPBCN	A	Total CN	P	251.9067	µg/l	12/11/2018 7:43:59
500PPBCN	A	Total CN	P	498.824	µg/l	12/11/2018 7:44:00
ICV1	S	Total CN	P	97.3163	µg/l	12/11/2018 8:52:47
ICB1	S	Total CN	P	-0.7213	µg/l	12/11/2018 8:52:49
CCV1	S	Total CN	P	237.9786	µg/l	12/11/2018 8:52:52
CCB1	S	Total CN	P	-0.6368	µg/l	12/11/2018 8:52:53
PB115466BL	S	Total CN	P	-0.7454	µg/l	12/11/2018 8:52:55
PB115466BS	S	Total CN	P	98.572	µg/l	12/11/2018 8:52:56
LOWPB115466	S	Total CN	P	12.5154	µg/l	12/11/2018 8:52:57
HIGHPB115466	S	Total CN	P	477.9308	µg/l	12/11/2018 9:00:22
J6247-01X100	S	Total CN	P	209.1268	µg/l	12/11/2018 9:00:23
J6247-01DUPX100	S	Total CN	P	211.8712	µg/l	12/11/2018 9:00:24
J6247-01MSX100	S	Total CN	P	203.1839	µg/l	12/11/2018 9:00:25
J6247-01MSDX100	S	Total CN	P	200.4596	µg/l	12/11/2018 9:00:26
J6247-02X100	S	Total CN	P	134.272	µg/l	12/11/2018 9:00:27
J6247-03X100	S	Total CN	P	604.4128	µg/l	12/11/2018 9:00:28
CCV2	S	Total CN	P	240.5363	µg/l	12/11/2018 9:00:29
CCB2	S	Total CN	P	-0.3095	µg/l	12/11/2018 9:00:30
J6247-04X100	S	Total CN	P	18.5916	µg/l	12/11/2018 9:00:31
J6247-05X100	S	Total CN	P	1969.704	µg/l	12/11/2018 9:00:32
J6247-06X100	S	Total CN	P	2083.933	µg/l	12/11/2018 9:07:57
J6247-07X100	S	Total CN	P	27.8978	µg/l	12/11/2018 9:07:58
J6247-08X100	S	Total CN	P	42.3877	µg/l	12/11/2018 9:07:59
J6247-09X100	S	Total CN	P	27.9331	µg/l	12/11/2018 9:08:00
J6247-10X100	S	Total CN	P	12.729	µg/l	12/11/2018 9:08:01
PB115467BS	S	Total CN	P	97.3177	µg/l	12/11/2018 9:08:03
CCV3	S	Total CN	P	235.1872	µg/l	12/11/2018 9:08:05
CCB3	S	Total CN	P	-0.5556	µg/l	12/11/2018 9:08:06
J6247-13X100	S	Total CN	P	16.343	µg/l	12/11/2018 9:15:35
J6247-14X100	S	Total CN	P	3167.815	µg/l	12/11/2018 9:15:36
J6247-15X100	S	Total CN	P	717.3292	µg/l	12/11/2018 9:15:37
J6247-16X100	S	Total CN	P	6125.849	µg/l	12/11/2018 9:15:38
J6247-17X100	S	Total CN	P	216.1024	µg/l	12/11/2018 9:15:39
J6247-18X100	S	Total CN	P	1718.21	µg/l	12/11/2018 9:15:40
CCV4	S	Total CN	P	240.1707	µg/l	12/11/2018 9:15:41
CCB4	S	Total CN	P	0.9125	µg/l	12/11/2018 9:15:42
PB115469BL	S	Total CN	P	-0.7585	µg/l	12/11/2018 9:23:07

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PB115469BS	S	Total CN	P	96.9402 µg/l	12/11/2018 9:23:08
J6310-01X100	S	Total CN	P	308.9032 µg/l	12/11/2018 9:23:09
J6310-01DUPX100	S	Total CN	P	316.2375 µg/l	12/11/2018 9:23:10
J6310-01MSX100	S	Total CN	P	300.0864 µg/l	12/11/2018 9:23:11
J6310-01MSDX100	S	Total CN	P	298.7945 µg/l	12/11/2018 9:23:12
J6310-02X100	S	Total CN	P	126.1829 µg/l	12/11/2018 9:23:13
J6310-03X100	S	Total CN	P	295.375 µg/l	12/11/2018 9:23:14
CCV5	S	Total CN	P	240.2247 µg/l	12/11/2018 9:30:40
CCB5	S	Total CN	P	0.1779 µg/l	12/11/2018 9:30:41
J6310-05X100	S	Total CN	P	770.8593 µg/l	12/11/2018 9:30:42
J6310-06X100	S	Total CN	P	17.7725 µg/l	12/11/2018 9:30:43
J6310-07X100	S	Total CN	P	110.7383 µg/l	12/11/2018 9:30:44
J6310-08X100	S	Total CN	P	17.0862 µg/l	12/11/2018 9:30:45
J6310-09X100	S	Total CN	P	1735.622 µg/l	12/11/2018 9:30:46
J6310-10X100	S	Total CN	P	2698.916 µg/l	12/11/2018 9:30:47
J6310-11X100	S	Total CN	P	1236.808 µg/l	12/11/2018 9:30:48
J6246-15DL2X500	S	Total CN	P	174.8213 µg/l	12/11/2018 9:30:49
J6246-19DL2X10000	S	Total CN	P	10.9676 µg/l	12/11/2018 9:30:50
j6310-04x100	S	Total CN	P	404.6291 µg/l	12/11/2018 10:25:30
CCV6	S	Total CN	P	240.403 µg/l	12/11/2018 10:25:31
CCB6	S	Total CN	P	-0.1337 µg/l	12/11/2018 10:25:32
J6247-03DLX500	S	Total CN	P	115.9912 µg/l	12/11/2018 10:25:33
J6247-05DLX5000	S	Total CN	P	40.592 µg/l	12/11/2018 10:25:34
J6247-06DLX5000	S	Total CN	P	42.9773 µg/l	12/11/2018 10:25:35
J6247-11	S	Total CN	P	248.45 µg/l	12/11/2018 10:25:36
J6247-11DUP	S	Total CN	P	250.4533 µg/l	12/11/2018 10:25:37
J6247-11MS	S	Total CN	P	288.2189 µg/l	12/11/2018 10:25:38
J6247-11MSD	S	Total CN	P	289.0691 µg/l	12/11/2018 10:25:39
J6247-14DLX5000	S	Total CN	P	61.153 µg/l	12/11/2018 10:33:04
J6247-15DLX500	S	Total CN	P	139.7149 µg/l	12/11/2018 10:33:05
J6247-16DL2X5000	S	Total CN	P	123.5901 µg/l	12/11/2018 10:33:06
CCV7	S	Total CN	P	240.4169 µg/l	12/11/2018 10:33:07
CCB7	S	Total CN	P	-0.5 µg/l	12/11/2018 10:33:08
J6310-09DL2X2000	S	Total CN	P	87.5178 µg/l	12/11/2018 10:33:09
J6310-11DL2X1000	S	Total CN	P	120.359 µg/l	12/11/2018 10:33:10
J6247-18DL2X1000	S	Total CN	P	169.5905 µg/l	12/11/2018 10:33:11
J6310-05DL2X500	S	Total CN	P	156.708 µg/l	12/11/2018 10:33:12
J6310-10DLX5000	S	Total CN	P	52.786 µg/l	12/11/2018 10:33:13
PB115467BL	S	Total CN	P	-0.6825 µg/l	12/11/2018 11:37:08
J6247-12X10	S	Total CN	P	43.3495 µg/l	12/11/2018 11:37:09
J6247-20X10	S	Total CN	P	72.4622 µg/l	12/11/2018 11:37:10
J6247-21	S	Total CN	P	170.6371 µg/l	12/11/2018 11:37:11
CCV8	S	Total CN	P	249.2041 µg/l	12/11/2018 11:37:12
CCB8	S	Total CN	P	-0.6565 µg/l	12/11/2018 11:37:13

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284 Sheffield Street,
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12/11/2018 10:20

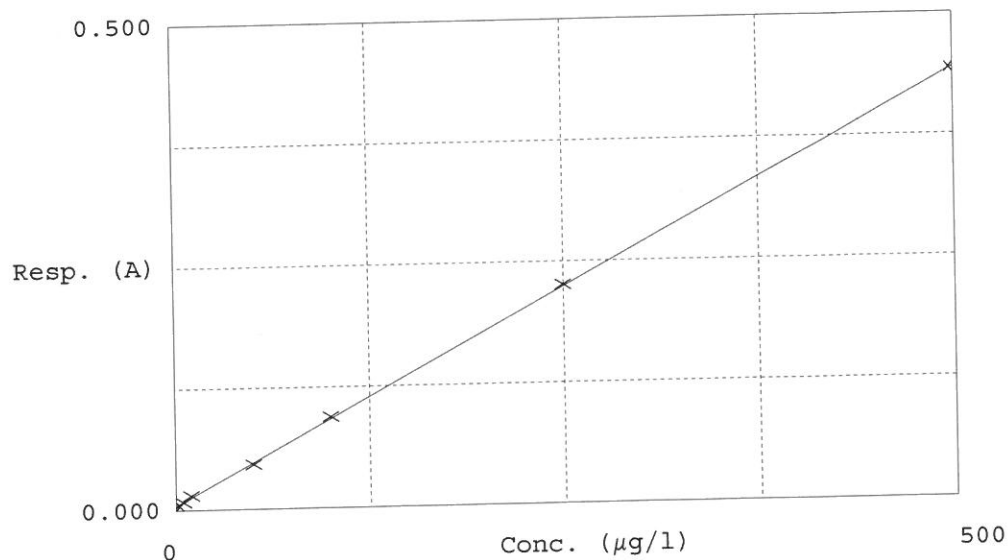
Test Total CN

Accepted 12/11/2018 7:44

Factor 1138
Bias 0.005

Coeff. of det. 0.999894

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.0PPBCN	0.003	-1.4118	0.0000	
2	5.0PPBCN	0.008	3.9441	5.0000	
3	10PPBCN	0.015	11.9262	10.0000	
4	50PPBCN	0.047	47.6744	50.0000	
5	100PPBCN	0.094	102.1365	100.0000	
6	250PPBCN	0.226	251.9067	250.0000	
7	500PPBCN	0.443	498.8240	500.0000	