

088016

Test results

Aquakem 7.2AQ1

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

6/12/2017 12:02

Test: Total CN

| Sample Id   | Result  | Dil. 1 + | Response | Errors |
|-------------|---------|----------|----------|--------|
| ICV1        | 94.243  | 0.0      | 0.092    |        |
| ICB1        | -0.232  | 0.0      | 0.004    |        |
| CCV1        | 241.126 | 0.0      | 0.227    |        |
| CCB1        | 0.223   | 0.0      | 0.005    |        |
| PB99629BL   | 0.034   | 0.0      | 0.005    |        |
| PB99629BS   | 97.708  | 0.0      | 0.095    |        |
| LOWPB99629  | 10.824  | 0.0      | 0.015    |        |
| HIGHPB99629 | 482.761 | 0.0      | 0.451    |        |
| I3567-01    | -0.118  | 0.0      | 0.005    |        |
| I3567-01DUP | -0.668  | 0.0      | 0.004    |        |
| I3567-01MS  | 32.377  | 0.0      | 0.035    |        |
| I3567-01MSD | 32.308  | 0.0      | 0.035    |        |
| I3575-01    | -0.772  | 0.0      | 0.004    |        |
| I3575-04    | -0.296  | 0.0      | 0.004    |        |
| CCV2        | 241.239 | 0.0      | 0.228    |        |
| CCB2        | 0.415   | 0.0      | 0.005    |        |
| I3575-07    | -0.813  | 0.0      | 0.004    |        |
| I3576-03    | -0.734  | 0.0      | 0.004    |        |
| PB99663BL   | 0.118   | 0.0      | 0.005    |        |
| PB99663BS   | 98.679  | 0.0      | 0.096    |        |
| LOWPB99663  | 8.785   | 0.0      | 0.013    |        |
| HIGHPB99663 | 466.632 | 0.0      | 0.436    |        |
| I3583-01    | -0.409  | 0.0      | 0.004    |        |
| I3583-01DUP | -0.244  | 0.0      | 0.004    |        |
| I3583-01MS  | 31.657  | 0.0      | 0.034    |        |
| I3583-01MSD | 32.103  | 0.0      | 0.034    |        |
| CCV3        | 242.331 | 0.0      | 0.229    |        |
| CCB3        | 0.234   | 0.0      | 0.005    |        |
| I3583-04    | -0.823  | 0.0      | 0.004    |        |
| I3584-01    | -0.945  | 0.0      | 0.004    |        |
| I3592-01    | -0.882  | 0.0      | 0.004    |        |
| I3594-01    | -0.364  | 0.0      | 0.004    |        |
| I3594-04    | -0.724  | 0.0      | 0.004    |        |
| I3594-07    | -0.952  | 0.0      | 0.004    |        |
| I3598-01    | -0.621  | 0.0      | 0.004    |        |
| I3598-05    | -0.887  | 0.0      | 0.004    |        |
| I3615-01    | 6.143   | 0.0      | 0.010    |        |
| I3615-05    | -0.607  | 0.0      | 0.004    |        |
| CCV4        | 245.191 | 0.0      | 0.231    |        |
| CCB4        | -0.202  | 0.0      | 0.004    |        |

|      |          |
|------|----------|
| N    | 40       |
| Mean | 58.846   |
| SD   | 121.9502 |
| CV%  | 207.24   |

Aquakem v. 7.2AQ1

Results from time period:

Mon Jun 12 10:11:13 2017

Mon Jun 12 11:50:34 2017

| Sample Id   | Sam/Ctr/c/ | Test short | Test type | Result   | Result unit | Result date and time | Stat |
|-------------|------------|------------|-----------|----------|-------------|----------------------|------|
| 0.0PPBCN    | A          | Total CN   | P         | -0.4252  | µg/l        | 6/12/2017 10:34:12   |      |
| 5.0PPBCN    | A          | Total CN   | P         | 3.6977   | µg/l        | 6/12/2017 10:34:13   |      |
| 10PPBCN     | A          | Total CN   | P         | 8.9878   | µg/l        | 6/12/2017 10:34:14   |      |
| 50PPBCN     | A          | Total CN   | P         | 50.5506  | µg/l        | 6/12/2017 10:34:15   |      |
| 100PPBCN    | A          | Total CN   | P         | 101.2416 | µg/l        | 6/12/2017 10:34:16   |      |
| 250PPBCN    | A          | Total CN   | P         | 252.4352 | µg/l        | 6/12/2017 10:34:17   |      |
| 500PPBCN    | A          | Total CN   | P         | 498.5123 | µg/l        | 6/12/2017 10:34:18   |      |
| ICV1        | S          | Total CN   | P         | 94.2426  | µg/l        | 6/12/2017 11:27:42   |      |
| ICB1        | S          | Total CN   | P         | -0.2321  | µg/l        | 6/12/2017 11:27:43   |      |
| CCV1        | S          | Total CN   | P         | 241.1258 | µg/l        | 6/12/2017 11:27:44   |      |
| CCB1        | S          | Total CN   | P         | 0.2228   | µg/l        | 6/12/2017 11:27:45   |      |
| PB99629BL   | S          | Total CN   | P         | 0.0341   | µg/l        | 6/12/2017 11:27:46   |      |
| PB99629BS   | S          | Total CN   | P         | 97.7085  | µg/l        | 6/12/2017 11:27:47   |      |
| LOWPB99629  | S          | Total CN   | P         | 10.8243  | µg/l        | 6/12/2017 11:27:48   |      |
| HIGHPB99629 | S          | Total CN   | P         | 482.7613 | µg/l        | 6/12/2017 11:27:49   |      |
| I3567-01    | S          | Total CN   | P         | -0.1182  | µg/l        | 6/12/2017 11:27:50   |      |
| I3567-01DUP | S          | Total CN   | P         | -0.6678  | µg/l        | 6/12/2017 11:27:51   |      |
| I3567-01MS  | S          | Total CN   | P         | 32.3774  | µg/l        | 6/12/2017 11:27:52   |      |
| I3567-01MSD | S          | Total CN   | P         | 32.3078  | µg/l        | 6/12/2017 11:35:19   |      |
| I3575-01    | S          | Total CN   | P         | -0.7723  | µg/l        | 6/12/2017 11:35:20   |      |
| I3575-04    | S          | Total CN   | P         | -0.2958  | µg/l        | 6/12/2017 11:35:21   |      |
| CCV2        | S          | Total CN   | P         | 241.2391 | µg/l        | 6/12/2017 11:35:22   |      |
| CCB2        | S          | Total CN   | P         | 0.4155   | µg/l        | 6/12/2017 11:35:23   |      |
| I3575-07    | S          | Total CN   | P         | -0.8135  | µg/l        | 6/12/2017 11:35:24   |      |
| I3576-03    | S          | Total CN   | P         | -0.7337  | µg/l        | 6/12/2017 11:35:25   |      |
| PB99663BL   | S          | Total CN   | P         | 0.1177   | µg/l        | 6/12/2017 11:35:26   |      |
| PB99663BS   | S          | Total CN   | P         | 98.6792  | µg/l        | 6/12/2017 11:35:27   |      |
| LOWPB99663  | S          | Total CN   | P         | 8.7848   | µg/l        | 6/12/2017 11:42:49   |      |
| HIGHPB99663 | S          | Total CN   | P         | 466.6324 | µg/l        | 6/12/2017 11:42:50   |      |
| I3583-01    | S          | Total CN   | P         | -0.4088  | µg/l        | 6/12/2017 11:42:51   |      |
| I3583-01DUP | S          | Total CN   | P         | -0.2439  | µg/l        | 6/12/2017 11:42:52   |      |
| I3583-01MS  | S          | Total CN   | P         | 31.657   | µg/l        | 6/12/2017 11:42:53   |      |
| I3583-01MSD | S          | Total CN   | P         | 32.1035  | µg/l        | 6/12/2017 11:42:54   |      |
| CCV3        | S          | Total CN   | P         | 242.3311 | µg/l        | 6/12/2017 11:42:55   |      |
| CCB3        | S          | Total CN   | P         | 0.2342   | µg/l        | 6/12/2017 11:42:56   |      |
| I3583-04    | S          | Total CN   | P         | -0.8228  | µg/l        | 6/12/2017 11:42:57   |      |
| I3584-01    | S          | Total CN   | P         | -0.9447  | µg/l        | 6/12/2017 11:42:58   |      |
| I3592-01    | S          | Total CN   | P         | -0.882   | µg/l        | 6/12/2017 11:42:59   |      |
| I3594-01    | S          | Total CN   | P         | -0.3635  | µg/l        | 6/12/2017 11:50:24   |      |
| I3594-04    | S          | Total CN   | P         | -0.7238  | µg/l        | 6/12/2017 11:50:25   |      |
| I3594-07    | S          | Total CN   | P         | -0.952   | µg/l        | 6/12/2017 11:50:26   |      |
| I3598-01    | S          | Total CN   | P         | -0.6213  | µg/l        | 6/12/2017 11:50:27   |      |

A12

|          |   |          |   |               |                    |
|----------|---|----------|---|---------------|--------------------|
| I3594-07 | S | Total CN | P | -0.952 µg/l   | 6/12/2017 11:50:26 |
| I3598-01 | S | Total CN | P | -0.6213 µg/l  | 6/12/2017 11:50:27 |
| I3598-05 | S | Total CN | P | -0.8868 µg/l  | 6/12/2017 11:50:28 |
| I3615-01 | S | Total CN | P | 6.1429 µg/l   | 6/12/2017 11:50:29 |
| I3615-05 | S | Total CN | P | -0.6072 µg/l  | 6/12/2017 11:50:30 |
| CCV4     | S | Total CN | P | 245.1906 µg/l | 6/12/2017 11:50:31 |
| CCB4     | S | Total CN | P | -0.2019 µg/l  | 6/12/2017 11:50:32 |

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284 Sheffield Street,  
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6/12/2017 10:39

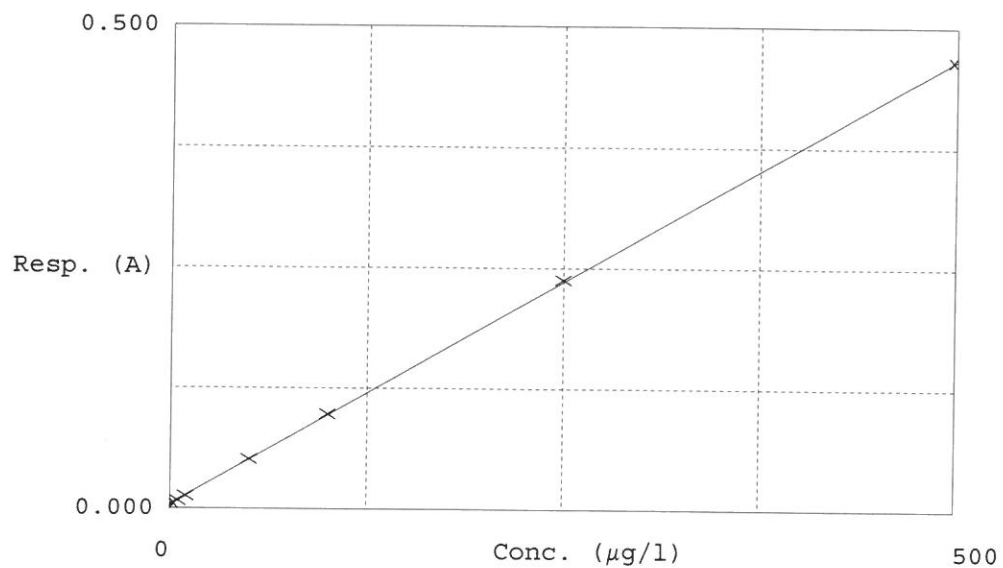
Test Total CN

Accepted 6/12/2017 10:39

Factor 1083  
Bias 0.005

Coeff. of det. 0.999937

Errors



|   | Calibrator | Response | Calc. con. | Conc.    | Errors |
|---|------------|----------|------------|----------|--------|
| 1 | 0.0PPBCN   | 0.004    | -0.4252    | 0.0000   |        |
| 2 | 5.0PPBCN   | 0.008    | 3.6977     | 5.0000   |        |
| 3 | 10PPBCN    | 0.013    | 8.9878     | 10.0000  |        |
| 4 | 50PPBCN    | 0.051    | 50.5506    | 50.0000  |        |
| 5 | 100PPBCN   | 0.098    | 101.2416   | 100.0000 |        |
| 6 | 250PPBCN   | 0.238    | 252.4352   | 250.0000 |        |
| 7 | 500PPBCN   | 0.465    | 498.5123   | 500.0000 |        |