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Aquakem 7.2AQ1

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CHEMTECH  
284 Sheffield Street,  
Mountainside, NJ 07092  
Reviewed by : AS2/9/2018 17:19  
=====Test: Total CN Mg/d

| Sample Id    | Result  | Dil. 1 + | Response | Errors           |
|--------------|---------|----------|----------|------------------|
| ICV1         | 97.287  | 0.0      | 0.091    |                  |
| ICB1         | 0.642   | 0.0      | 0.004    |                  |
| CCV1         | 241.021 | 0.0      | 0.220    |                  |
| CCB1         | 0.606   | 0.0      | 0.004    |                  |
| PB106409BL   | 1.045   | 0.0      | 0.004    |                  |
| PB106409BS   | 97.410  | 0.0      | 0.091    |                  |
| LOWPB106409  | 10.367  | 0.0      | 0.013    |                  |
| HIGHPB106409 | 485.074 | 0.0      | 0.439    |                  |
| J1404-01     | 5.859   | 0.0      | 0.009    |                  |
| J1404-01DUP  | 5.763   | 0.0      | 0.009    |                  |
| J1404-01MS   | 33.406  | 0.0      | 0.033    |                  |
| J1404-01MSD  | 33.405  | 0.0      | 0.033    |                  |
| J1475-11     | 0.630   | 0.0      | 0.004    |                  |
| J1475-12     | 1.183   | 0.0      | 0.005    |                  |
| CCV2         | 238.487 | 0.0      | 0.218    |                  |
| CCB2         | 0.438   | 0.0      | 0.004    |                  |
| J1476-01     | 1.741   | 0.0      | 0.005    |                  |
| J1476-03     | 2.205   | 0.0      | 0.005    |                  |
| J1476-05     | 1.469   | 0.0      | 0.005    |                  |
| J1485-01     | 5.387   | 0.0      | 0.008    |                  |
| J1485-03     | 3.831   | 0.0      | 0.007    |                  |
| J1491-01     | 6.174   | 0.0      | 0.009    |                  |
| J1493-01     | 7.706   | 0.0      | 0.010    |                  |
| PB106427BL   | 0.284   | 0.0      | 0.004    |                  |
| PB106427BS   | 96.423  | 0.0      | 0.090    |                  |
| J1499-01     | 0.990   | 0.0      | 0.004    |                  |
| CCV3         | 239.480 | 0.0      | 0.219    |                  |
| CCB3         | 0.682   | 0.0      | 0.004    |                  |
| J1499-01DUP  | 0.606   | 0.0      | 0.004    |                  |
| J1507-01     | 1.233   | 0.0      | 0.005    |                  |
| J1510-03     | 0.465   | 0.0      | 0.004    |                  |
| J1511-01     | 2.145   | 0.0      | 0.005    |                  |
| J1511-02     | 4.530   | 0.0      | 0.008    |                  |
| J1511-03     | 4.913   | 0.0      | 0.008    |                  |
| PB106428BL   | 0.883   | 0.0      | 0.004    |                  |
| PB106428BS   | 97.423  | 0.0      | 0.091    |                  |
| CCV4         | 273.173 | 0.0      | 0.249    | Blank resp. high |
| CCB4         | 0.512   | 0.0      | 0.004    |                  |
| J1512-01     | 0.715   | 0.0      | 0.004    |                  |
| J1512-01DUP  | 0.538   | 0.0      | 0.004    |                  |
| J1512-01MS   | 32.007  | 0.0      | 0.032    |                  |
| J1512-01MSD  | 32.195  | 0.0      | 0.032    |                  |
| J1512-04     | 1.050   | 0.0      | 0.004    |                  |
| J1512-07     | 1.366   | 0.0      | 0.005    |                  |
| J1512-10     | 0.845   | 0.0      | 0.004    |                  |
| J1492-01     | 8.391   | 0.0      | 0.011    |                  |
| J1475-13     | 0.696   | 0.0      | 0.004    |                  |
| J1501-01     | 0.718   | 0.0      | 0.004    |                  |
| CCV5         | 253.781 | 0.0      | 0.231    |                  |
| CCB5         | 0.431   | 0.0      | 0.004    |                  |
| J1499-01MS   | 36.966  | 0.0      | 0.037    |                  |
| J1499-01MSD  | 36.581  | 0.0      | 0.036    |                  |
| CCV5         | 258.504 | 0.0      | 0.236    |                  |
| CCB5         | 0.087   | 0.0      | 0.004    |                  |

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Test results

Aquakem 7.2AQ1

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

2/9/2018 17:19

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Test: Total CN *Myd*

| Sample Id | Result | Dil. 1 + | Response | 0.1,, |
|-----------|--------|----------|----------|-------|
|-----------|--------|----------|----------|-------|

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|      |         |
|------|---------|
| N    | 54      |
| Mean | 49.440  |
| SD   | 99.6858 |
| CV%  | 201.63  |

AS

Aquakem v. 7.2AQ1

Results from time period:

Fri Feb 09 16:18:26 2018

Fri Feb 09 17:09:05 2018

| Sample Id    | Sam/Ctr/c/ | Test short | Test type | Result   | Result unit | Result date and time | Stat |
|--------------|------------|------------|-----------|----------|-------------|----------------------|------|
| 0.OPPBCN     | A          | Total CN   | P         | 0.3114   | µg/l        | 2/9/2018 12:16:10    |      |
| 5.OPPBCN     | A          | Total CN   | P         | 5.0228   | µg/l        | 2/9/2018 12:16:11    |      |
| 10PPBCN      | A          | Total CN   | P         | 10.1792  | µg/l        | 2/9/2018 12:16:12    |      |
| 50PPBCN      | A          | Total CN   | P         | 50.7488  | µg/l        | 2/9/2018 12:16:13    |      |
| 100PPBCN     | A          | Total CN   | P         | 99.8601  | µg/l        | 2/9/2018 12:16:14    |      |
| 250PPBCN     | A          | Total CN   | P         | 247.8568 | µg/l        | 2/9/2018 12:16:15    |      |
| 500PPBCN     | A          | Total CN   | P         | 501.0209 | µg/l        | 2/9/2018 12:16:16    |      |
| ICV1         | S          | Total CN   | P         | 97.2873  | µg/l        | 2/9/2018 16:18:27    |      |
| ICB1         | S          | Total CN   | P         | 0.6424   | µg/l        | 2/9/2018 16:18:28    |      |
| CCV1         | S          | Total CN   | P         | 241.0208 | µg/l        | 2/9/2018 16:18:31    |      |
| CCB1         | S          | Total CN   | P         | 0.6061   | µg/l        | 2/9/2018 16:18:32    |      |
| PB106409BL   | S          | Total CN   | P         | 1.0451   | µg/l        | 2/9/2018 16:18:33    |      |
| PB106409BS   | S          | Total CN   | P         | 97.4097  | µg/l        | 2/9/2018 16:18:34    |      |
| LOWPB106409  | S          | Total CN   | P         | 10.367   | µg/l        | 2/9/2018 16:18:35    |      |
| HIGHPB106409 | S          | Total CN   | P         | 485.0744 | µg/l        | 2/9/2018 16:18:36    |      |
| J1404-01     | S          | Total CN   | P         | 5.8593   | µg/l        | 2/9/2018 16:23:14    |      |
| J1404-01DUP  | S          | Total CN   | P         | 5.7634   | µg/l        | 2/9/2018 16:23:15    |      |
| J1404-01MS   | S          | Total CN   | P         | 33.4056  | µg/l        | 2/9/2018 16:23:16    |      |
| J1404-01MSD  | S          | Total CN   | P         | 33.4048  | µg/l        | 2/9/2018 16:23:17    |      |
| J1475-11     | S          | Total CN   | P         | 0.6295   | µg/l        | 2/9/2018 16:23:18    |      |
| J1475-12     | S          | Total CN   | P         | 1.1827   | µg/l        | 2/9/2018 16:30:49    |      |
| CCV2         | S          | Total CN   | P         | 238.4873 | µg/l        | 2/9/2018 16:30:50    |      |
| CCB2         | S          | Total CN   | P         | 0.4382   | µg/l        | 2/9/2018 16:30:51    |      |
| J1476-01     | S          | Total CN   | P         | 1.7408   | µg/l        | 2/9/2018 16:30:52    |      |
| J1476-03     | S          | Total CN   | P         | 2.2055   | µg/l        | 2/9/2018 16:30:53    |      |
| J1476-05     | S          | Total CN   | P         | 1.4689   | µg/l        | 2/9/2018 16:30:54    |      |
| J1485-01     | S          | Total CN   | P         | 5.3871   | µg/l        | 2/9/2018 16:30:55    |      |
| J1485-03     | S          | Total CN   | P         | 3.8309   | µg/l        | 2/9/2018 16:30:56    |      |
| J1491-01     | S          | Total CN   | P         | 6.1735   | µg/l        | 2/9/2018 16:30:57    |      |
| J1493-01     | S          | Total CN   | P         | 7.7062   | µg/l        | 2/9/2018 16:30:58    |      |
| PB106427BL   | S          | Total CN   | P         | 0.2841   | µg/l        | 2/9/2018 16:30:59    |      |
| PB106427BS   | S          | Total CN   | P         | 96.4229  | µg/l        | 2/9/2018 16:38:21    |      |
| J1499-01     | S          | Total CN   | P         | 0.9899   | µg/l        | 2/9/2018 16:38:22    |      |
| CCV3         | S          | Total CN   | P         | 239.4798 | µg/l        | 2/9/2018 16:38:23    |      |
| CCB3         | S          | Total CN   | P         | 0.6817   | µg/l        | 2/9/2018 16:38:24    |      |
| J1499-01DUP  | S          | Total CN   | P         | 0.6059   | µg/l        | 2/9/2018 16:38:25    |      |
| J1507-01     | S          | Total CN   | P         | 1.2334   | µg/l        | 2/9/2018 16:38:28    |      |
| J1510-03     | S          | Total CN   | P         | 0.4655   | µg/l        | 2/9/2018 16:38:29    |      |
| J1511-01     | S          | Total CN   | P         | 2.1447   | µg/l        | 2/9/2018 16:38:30    |      |
| J1511-02     | S          | Total CN   | P         | 4.5298   | µg/l        | 2/9/2018 16:38:31    |      |
| J1511-03     | S          | Total CN   | P         | 4.9127   | µg/l        | 2/9/2018 16:45:56    |      |
| PB106428BL   | S          | Total CN   | P         | 0.8827   | µg/l        | 2/9/2018 16:45:57    |      |

MS

|             |   |          |   |               |                   |
|-------------|---|----------|---|---------------|-------------------|
| PB106428BS  | S | Total CN | P | 97.4229 µg/l  | 2/9/2018 16:45:58 |
| CCV4        | S | Total CN | P | 273.1731 µg/l | 2/9/2018 16:45:59 |
| CCB4        | S | Total CN | P | 0.5119 µg/l   | 2/9/2018 16:46:00 |
| J1512-01    | S | Total CN | P | 0.7146 µg/l   | 2/9/2018 16:46:01 |
| J1512-01DUP | S | Total CN | P | 0.5384 µg/l   | 2/9/2018 16:46:02 |
| J1512-01MS  | S | Total CN | P | 32.007 µg/l   | 2/9/2018 16:46:03 |
| J1512-01MSD | S | Total CN | P | 32.1952 µg/l  | 2/9/2018 16:46:04 |
| J1512-04    | S | Total CN | P | 1.0499 µg/l   | 2/9/2018 16:46:05 |
| J1512-07    | S | Total CN | P | 1.3661 µg/l   | 2/9/2018 16:46:06 |
| J1512-10    | S | Total CN | P | 0.8454 µg/l   | 2/9/2018 16:51:11 |
| J1492-01    | S | Total CN | P | 8.3906 µg/l   | 2/9/2018 16:51:12 |
| J1475-13    | S | Total CN | P | 0.6957 µg/l   | 2/9/2018 16:51:13 |
| J1501-01    | S | Total CN | P | 0.7176 µg/l   | 2/9/2018 16:51:14 |
| CCV5        | S | Total CN | P | 253.7807 µg/l | 2/9/2018 16:51:15 |
| CCB5        | S | Total CN | P | 0.4306 µg/l   | 2/9/2018 16:51:16 |
| J1499-01MS  | S | Total CN | P | 36.966 µg/l   | 2/9/2018 17:09:02 |
| J1499-01MSD | S | Total CN | P | 36.5809 µg/l  | 2/9/2018 17:09:03 |
| CCV5        | S | Total CN | P | 258.5035 µg/l | 2/9/2018 17:09:04 |
| CCB5        | S | Total CN | P | 0.087 µg/l    | 2/9/2018 17:09:05 |

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

2/9/2018 12:16

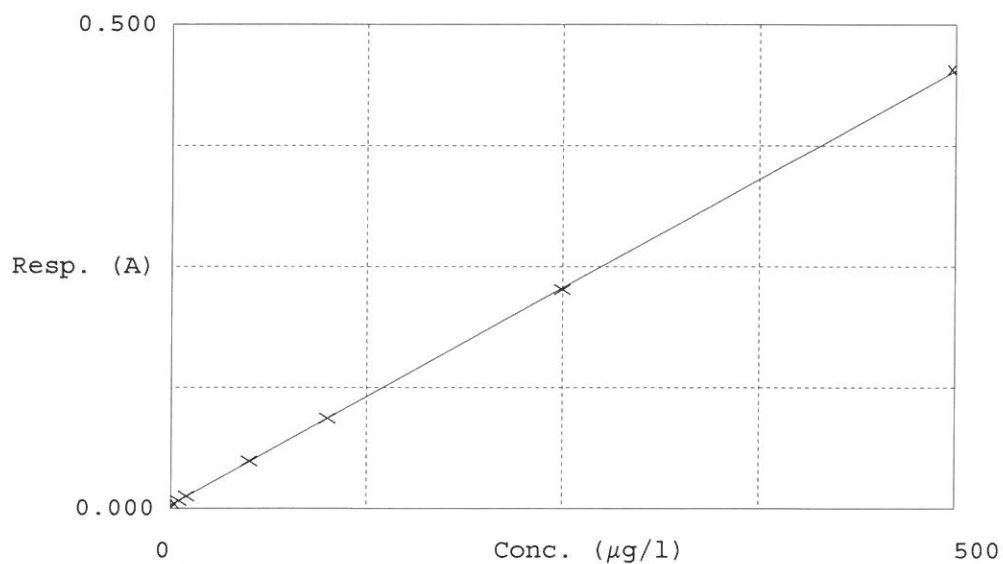
Test Total CN

Accepted 2/9/2018 12:16

Factor 1113  
Bias 0.003

Coeff. of det. 0.999969

Errors



|   | Calibrator | Response | Calc. con. | Conc.    | Errors |
|---|------------|----------|------------|----------|--------|
| 1 | 0.0PPBCN   | 0.004    | 0.3114     | 0.0000   |        |
| 2 | 5.0PPBCN   | 0.008    | 5.0228     | 5.0000   |        |
| 3 | 10PPBCN    | 0.013    | 10.1792    | 10.0000  |        |
| 4 | 50PPBCN    | 0.049    | 50.7488    | 50.0000  |        |
| 5 | 100PPBCN   | 0.093    | 99.8601    | 100.0000 |        |
| 6 | 250PPBCN   | 0.226    | 247.8568   | 250.0000 |        |
| 7 | 500PPBCN   | 0.454    | 501.0209   | 500.0000 |        |