

21392.567

Test results

Aquakem 7.2AQ1

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

1/11/2018 14:26

Test: Total CN ug/d

| Sample Id                        | Result  | Dil. 1 + | Response | Errors          |
|----------------------------------|---------|----------|----------|-----------------|
| ICV1                             | 96.546  | 0.0      | 0.094    |                 |
| ICB1                             | 0.658   | 0.0      | 0.004    |                 |
| CCV1                             | 243.633 | 0.0      | 0.231    |                 |
| CCB1                             | 0.548   | 0.0      | 0.004    |                 |
| <del>PB10556BL</del> PB105566BL  | 0.462   | 0.0      | 0.004    |                 |
| PB105566BS                       | 93.508  | 0.0      | 0.091    |                 |
| LOWPB105566                      | 9.859   | 0.0      | 0.013    |                 |
| HIGHPB105566                     | 460.650 | 0.0      | 0.434    |                 |
| J1076-02                         | 23.306  | 0.0      | 0.025    |                 |
| J1076-03                         | 115.193 | 0.0      | 0.111    |                 |
| CCV2                             | 247.210 | 0.0      | 0.234    |                 |
| CCB2                             | 1.193   | 0.0      | 0.004    |                 |
| J1076-04                         | 144.936 | 0.0      | 0.139    |                 |
| J1076-05                         | 130.966 | 0.0      | 0.126    |                 |
| J1076-06                         | 330.080 | 0.0      | 0.312    |                 |
| J1076-07                         | 204.733 | 0.0      | 0.195    |                 |
| J1076-08                         | 708.487 | 0.0      | 0.665    | Test limit high |
| J1076-09                         | 66.333  | 0.0      | 0.065    |                 |
| J1076-10                         | 174.714 | 0.0      | 0.167    |                 |
| J1076-11                         | 295.163 | 0.0      | 0.279    |                 |
| J1076-12                         | 929.478 | 0.0      | 0.872    | Test limit high |
| J1076-13                         | 257.106 | 0.0      | 0.244    |                 |
| CCV3                             | 250.424 | 0.0      | 0.237    |                 |
| CCB3                             | 1.298   | 0.0      | 0.005    |                 |
| J1076-14                         | 784.691 | 0.0      | 0.736    | Test limit high |
| J1076-15                         | 121.860 | 0.0      | 0.117    |                 |
| J1076-16                         | 169.621 | 0.0      | 0.162    |                 |
| J1076-17                         | 196.968 | 0.0      | 0.187    |                 |
| J1076-18                         | 163.559 | 0.0      | 0.156    |                 |
| J1076-19                         | 325.175 | 0.0      | 0.307    |                 |
| J1076-20                         | 376.152 | 0.0      | 0.355    |                 |
| PB105574BL                       | 1.515   | 0.0      | 0.005    |                 |
| PB105574BS                       | 99.225  | 0.0      | 0.096    |                 |
| <del>J1017-01</del> J1071-01     | 1.861   | 0.0      | 0.005    |                 |
| CCV4                             | 242.107 | 0.0      | 0.229    |                 |
| CCB4                             | 0.899   | 0.0      | 0.004    |                 |
| <del>J1017-01</del> DUP J1071-01 | 1.408   | 0.0      | 0.005    |                 |
| <del>J1017-01</del> MS J1071-01  | 30.576  | 0.0      | 0.032    |                 |
| <del>J1017-01</del> MSD J1071-01 | 31.023  | 0.0      | 0.032    |                 |
| J1088-01                         | 1.834   | 0.0      | 0.005    |                 |
| CCV5                             | 247.101 | 0.0      | 0.234    |                 |
| CCB5                             | 1.059   | 0.0      | 0.004    |                 |
| J1076-14DLX2                     | 389.225 | 0.0      | 0.367    |                 |
| J1076-12DLX2                     | 472.155 | 0.0      | 0.444    |                 |
| J1076-08DLX2                     | 382.698 | 0.0      | 0.361    |                 |
| J1076-01                         | 98.593  | 0.0      | 0.095    |                 |
| J1076-01DUP                      | 100.146 | 0.0      | 0.097    |                 |
| J1076-01MS                       | 152.273 | 0.0      | 0.146    |                 |
| J1076-01MSD                      | 149.165 | 0.0      | 0.143    |                 |
| CCV6                             | 256.019 | 0.0      | 0.242    |                 |
| CCB6                             | 0.923   | 0.0      | 0.004    |                 |

AS 01/11/18

AS 1/11/18

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Test results

Aquakem 7.2AQ1

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

1/11/2018 14:26

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Test: Total CN

| Sample Id | Result | Dil. 1 + | Response | Ô□,, |
|-----------|--------|----------|----------|------|
|-----------|--------|----------|----------|------|

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|      |          |
|------|----------|
| N    | 51       |
| Mean | 187.928  |
| SD   | 206.1284 |
| CV%  | 109.68   |

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Aquakem v. 7.2AQ1

Results from time period:

Thu Jan 11 10:57:46 2018

Thu Jan 11 14:24:22 2018

| Sample Id    | Sam/Ctr/c | Test short | Test type | Result   | Result unit | Result date and time | Stat |
|--------------|-----------|------------|-----------|----------|-------------|----------------------|------|
| 0.OPPBCN     | A         | Total CN   | P         | 0.1524   | µg/l        | 1/11/2018 11:35:55   |      |
| 5.OPPBCN     | A         | Total CN   | P         | 4.747    | µg/l        | 1/11/2018 11:35:56   |      |
| 10PPBCN      | A         | Total CN   | P         | 10.2514  | µg/l        | 1/11/2018 11:35:57   |      |
| 50PPBCN      | A         | Total CN   | P         | 49.3987  | µg/l        | 1/11/2018 11:35:58   |      |
| 100PPBCN     | A         | Total CN   | P         | 100.2679 | µg/l        | 1/11/2018 11:35:59   |      |
| 250PPBCN     | A         | Total CN   | P         | 250.3571 | µg/l        | 1/11/2018 11:36:00   |      |
| 500PPBCN     | A         | Total CN   | P         | 499.8255 | µg/l        | 1/11/2018 11:36:01   |      |
| ICV1         | S         | Total CN   | P         | 96.546   | µg/l        | 1/11/2018 13:00:49   |      |
| ICB1         | S         | Total CN   | P         | 0.6583   | µg/l        | 1/11/2018 13:00:50   |      |
| CCV1         | S         | Total CN   | P         | 243.633  | µg/l        | 1/11/2018 13:00:53   |      |
| CCB1         | S         | Total CN   | P         | 0.5481   | µg/l        | 1/11/2018 13:00:55   |      |
| PB105566BL   | S         | Total CN   | P         | 0.4623   | µg/l        | 1/11/2018 13:00:56   |      |
| PB105566BS   | S         | Total CN   | P         | 93.5081  | µg/l        | 1/11/2018 13:00:57   |      |
| LOWPB105566  | S         | Total CN   | P         | 9.8587   | µg/l        | 1/11/2018 13:00:58   |      |
| HIGHPB105566 | S         | Total CN   | P         | 460.6497 | µg/l        | 1/11/2018 13:08:23   |      |
| J1076-02     | S         | Total CN   | P         | 23.3056  | µg/l        | 1/11/2018 13:08:28   |      |
| J1076-03     | S         | Total CN   | P         | 115.1932 | µg/l        | 1/11/2018 13:08:29   |      |
| CCV2         | S         | Total CN   | P         | 247.2102 | µg/l        | 1/11/2018 13:08:30   |      |
| CCB2         | S         | Total CN   | P         | 1.1933   | µg/l        | 1/11/2018 13:08:31   |      |
| J1076-04     | S         | Total CN   | P         | 144.9363 | µg/l        | 1/11/2018 13:08:32   |      |
| J1076-05     | S         | Total CN   | P         | 130.9658 | µg/l        | 1/11/2018 13:08:33   |      |
| J1076-06     | S         | Total CN   | P         | 330.0798 | µg/l        | 1/11/2018 13:15:58   |      |
| J1076-07     | S         | Total CN   | P         | 204.7333 | µg/l        | 1/11/2018 13:15:59   |      |
| J1076-08     | S         | Total CN   | P         | 708.4872 | µg/l        | 1/11/2018 13:16:00   |      |
| J1076-09     | S         | Total CN   | P         | 66.3326  | µg/l        | 1/11/2018 13:16:01   |      |
| J1076-10     | S         | Total CN   | P         | 174.7139 | µg/l        | 1/11/2018 13:16:02   |      |
| J1076-11     | S         | Total CN   | P         | 295.1634 | µg/l        | 1/11/2018 13:16:03   |      |
| J1076-12     | S         | Total CN   | P         | 929.4782 | µg/l        | 1/11/2018 13:16:04   |      |
| J1076-13     | S         | Total CN   | P         | 257.1059 | µg/l        | 1/11/2018 13:16:05   |      |
| CCV3         | S         | Total CN   | P         | 250.4244 | µg/l        | 1/11/2018 13:16:06   |      |
| CCB3         | S         | Total CN   | P         | 1.2976   | µg/l        | 1/11/2018 13:16:07   |      |
| J1076-14     | S         | Total CN   | P         | 784.6908 | µg/l        | 1/11/2018 13:16:08   |      |
| J1076-15     | S         | Total CN   | P         | 121.8595 | µg/l        | 1/11/2018 13:23:30   |      |
| J1076-16     | S         | Total CN   | P         | 169.621  | µg/l        | 1/11/2018 13:23:31   |      |
| J1076-17     | S         | Total CN   | P         | 196.9677 | µg/l        | 1/11/2018 13:23:32   |      |
| J1076-18     | S         | Total CN   | P         | 163.5593 | µg/l        | 1/11/2018 13:23:33   |      |
| J1076-19     | S         | Total CN   | P         | 325.1746 | µg/l        | 1/11/2018 13:23:34   |      |
| J1076-20     | S         | Total CN   | P         | 376.1516 | µg/l        | 1/11/2018 13:23:35   |      |
| PB105574BL   | S         | Total CN   | P         | 1.5149   | µg/l        | 1/11/2018 13:23:36   |      |
| PB105574BS   | S         | Total CN   | P         | 99.2255  | µg/l        | 1/11/2018 13:23:37   |      |
| J1071-01     | S         | Total CN   | P         | 1.8605   | µg/l        | 1/11/2018 13:23:38   |      |
| CCV4         | S         | Total CN   | P         | 242.1072 | µg/l        | 1/11/2018 13:23:39   |      |

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|              |   |          |   |               |                    |
|--------------|---|----------|---|---------------|--------------------|
| CCB4         | S | Total CN | P | 0.8993 µg/l   | 1/11/2018 13:23:40 |
| J1071-01DUP  | S | Total CN | P | 1.4082 µg/l   | 1/11/2018 13:31:05 |
| J1071-01MS   | S | Total CN | P | 30.5759 µg/l  | 1/11/2018 13:31:06 |
| J1071-01MSD  | S | Total CN | P | 31.0234 µg/l  | 1/11/2018 13:31:07 |
| J1088-01     | S | Total CN | P | 1.8341 µg/l   | 1/11/2018 13:31:08 |
| CCV5         | S | Total CN | P | 247.101 µg/l  | 1/11/2018 13:31:09 |
| CCB5         | S | Total CN | P | 1.0586 µg/l   | 1/11/2018 13:31:10 |
| J1076-14DLX2 | S | Total CN | P | 389.2248 µg/l | 1/11/2018 13:55:21 |
| J1076-12DLX2 | S | Total CN | P | 472.1545 µg/l | 1/11/2018 13:55:22 |
| J1076-08DLX2 | S | Total CN | P | 382.6983 µg/l | 1/11/2018 13:55:23 |
| J1076-01     | S | Total CN | P | 98.5933 µg/l  | 1/11/2018 14:24:17 |
| J1076-01DUP  | S | Total CN | P | 100.1459 µg/l | 1/11/2018 14:24:18 |
| J1076-01MS   | S | Total CN | P | 152.2729 µg/l | 1/11/2018 14:24:19 |
| J1076-01MSD  | S | Total CN | P | 149.1648 µg/l | 1/11/2018 14:24:20 |
| CCV6         | S | Total CN | P | 256.0188 µg/l | 1/11/2018 14:24:21 |
| CCB6         | S | Total CN | P | 0.923 µg/l    | 1/11/2018 14:24:22 |

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284 Sheffield Street,  
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1/11/2018 11:45

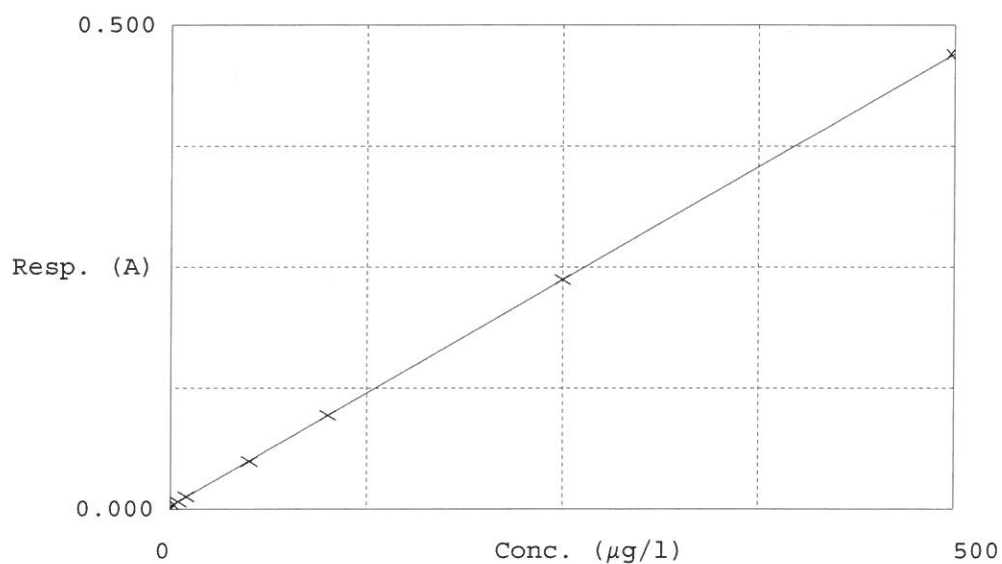
Test Total CN

Accepted 1/11/2018 11:45

Factor 1071  
Bias 0.003

Coeff. of det. 0.999996

Errors



|   | Calibrator | Response | Calc. con. | Conc.    | Errors |
|---|------------|----------|------------|----------|--------|
| 1 | 0.0PPBCN   | 0.003    | 0.1524     | 0.0000   |        |
| 2 | 5.0PPBCN   | 0.008    | 4.7470     | 5.0000   |        |
| 3 | 10PPBCN    | 0.013    | 10.2514    | 10.0000  |        |
| 4 | 50PPBCN    | 0.049    | 49.3987    | 50.0000  |        |
| 5 | 100PPBCN   | 0.097    | 100.2679   | 100.0000 |        |
| 6 | 250PPBCN   | 0.237    | 250.3571   | 250.0000 |        |
| 7 | 500PPBCN   | 0.470    | 499.8255   | 500.0000 |        |