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Aquakem 7.2AQ1

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

6/4/2018 12:39

Test: Total CN *ug/L*

| Sample Id    | Result  | Dil. 1 + | Response | Errors |
|--------------|---------|----------|----------|--------|
| ICV1         | 96.084  | 0.0      | 0.093    |        |
| ICB1         | 0.669   | 0.0      | 0.003    |        |
| CCV1         | 242.448 | 0.0      | 0.232    |        |
| CCB1         | 0.642   | 0.0      | 0.003    |        |
| PB109872BL   | 0.570   | 0.0      | 0.003    |        |
| PB1109872BS  | 98.228  | 0.0      | 0.095    |        |
| LOWPB109872  | 10.341  | 0.0      | 0.012    |        |
| HIGHPB109872 | 490.785 | 0.0      | 0.466    |        |
| J3228-01     | 1.496   | 0.0      | 0.004    |        |
| J3228-01DUP  | 0.972   | 0.0      | 0.004    |        |
| J3228-01MS   | 34.961  | 0.0      | 0.036    |        |
| J3228-01MSD  | 34.280  | 0.0      | 0.035    |        |
| J3235-01     | 1.426   | 0.0      | 0.004    |        |
| J3235-02     | 0.817   | 0.0      | 0.003    |        |
| CCV2         | 245.320 | 0.0      | 0.234    |        |
| CCB2         | 0.929   | 0.0      | 0.004    |        |
| J3235-03     | 1.103   | 0.0      | 0.004    |        |
| J3235-04     | 0.944   | 0.0      | 0.004    |        |
| J3235-06     | 0.952   | 0.0      | 0.004    |        |
| PB109889BL   | 0.727   | 0.0      | 0.003    |        |
| PB109889BS   | 96.513  | 0.0      | 0.094    |        |
| J3255-01     | 0.814   | 0.0      | 0.003    |        |
| J3255-01DUP  | 1.052   | 0.0      | 0.004    |        |
| J3255-01MS   | 31.622  | 0.0      | 0.033    |        |
| J3255-01MSD  | 31.871  | 0.0      | 0.033    |        |
| CCV3         | 244.692 | 0.0      | 0.234    |        |
| CCB3         | 0.073   | 0.0      | 0.003    |        |
| J3255-02     | 1.000   | 0.0      | 0.004    |        |
| J3255-03     | -3.496  | 0.0      | -0.001   |        |
| J3255-04     | 0.789   | 0.0      | 0.003    |        |
| J3255-05     | 1.874   | 0.0      | 0.004    |        |
| J3255-06     | 2.122   | 0.0      | 0.005    |        |
| J3255-07     | 1.187   | 0.0      | 0.004    |        |
| J3255-08     | 0.644   | 0.0      | 0.003    |        |
| J3255-09     | 0.814   | 0.0      | 0.003    |        |
| J3255-10     | 1.191   | 0.0      | 0.004    |        |
| PB109890BL   | 0.441   | 0.0      | 0.003    |        |
| CCV4         | 242.976 | 0.0      | 0.232    |        |
| CCB4         | 0.700   | 0.0      | 0.003    |        |
| PB109890BS   | 97.574  | 0.0      | 0.095    |        |
| J3237-03     | 137.050 | 0.0      | 0.132    |        |
| J3237-03DUP  | 139.060 | 0.0      | 0.134    |        |
| J3237-03MS   | 168.498 | 0.0      | 0.162    |        |
| J3237-03MSD  | 174.654 | 0.0      | 0.168    |        |
| J3235-05     | 0.909   | 0.0      | 0.004    |        |
| CCV5         | 261.805 | 0.0      | 0.250    |        |
| CCB5         | 0.471   | 0.0      | 0.003    |        |

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6/4/2018 12:39

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Test: Total CN

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

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|      |          |
|------|----------|
| N    | 47       |
| Mean | 61.715   |
| SD   | 105.0434 |
| CV%  | 170.21   |

As

Aquakem v. 7.2AQ1

Results from time period:

Mon Jun 04 09:17:58 2018

Mon Jun 04 12:38:48 2018

| Sample Id    | Sam/Ctr/c/ | Test short | Test type | Result   | Result unit | Result date and time | Stat |
|--------------|------------|------------|-----------|----------|-------------|----------------------|------|
| 0.0PPBCN     | A          | Total CN   | P         | -1.8903  | µg/l        | 6/4/2018 11:00:31    |      |
| 5.0PPBCN     | A          | Total CN   | P         | 5.1553   | µg/l        | 6/4/2018 11:00:32    |      |
| 10PPBCN      | A          | Total CN   | P         | 10.0593  | µg/l        | 6/4/2018 11:00:33    |      |
| 50PPBCN      | A          | Total CN   | P         | 50.4169  | µg/l        | 6/4/2018 11:00:34    |      |
| 100PPBCN     | A          | Total CN   | P         | 100.2922 | µg/l        | 6/4/2018 11:00:35    |      |
| 250PPBCN     | A          | Total CN   | P         | 252.1389 | µg/l        | 6/4/2018 11:00:36    |      |
| 500PPBCN     | A          | Total CN   | P         | 498.8278 | µg/l        | 6/4/2018 11:00:37    |      |
| ICV1         | S          | Total CN   | P         | 96.0841  | µg/l        | 6/4/2018 11:37:41    |      |
| ICB1         | S          | Total CN   | P         | 0.6687   | µg/l        | 6/4/2018 11:37:42    |      |
| CCV1         | S          | Total CN   | P         | 242.4483 | µg/l        | 6/4/2018 11:37:43    |      |
| CCB1         | S          | Total CN   | P         | 0.6423   | µg/l        | 6/4/2018 11:37:44    |      |
| PB109872BL   | S          | Total CN   | P         | 0.5704   | µg/l        | 6/4/2018 11:37:45    |      |
| PB1109872BS  | S          | Total CN   | P         | 98.2276  | µg/l        | 6/4/2018 11:37:46    |      |
| LOWPB109872  | S          | Total CN   | P         | 10.3406  | µg/l        | 6/4/2018 11:37:47    |      |
| HIGHPB109872 | S          | Total CN   | P         | 490.7846 | µg/l        | 6/4/2018 11:37:48    |      |
| J3228-01     | S          | Total CN   | P         | 1.4961   | µg/l        | 6/4/2018 11:37:49    |      |
| J3228-01DUP  | S          | Total CN   | P         | 0.9717   | µg/l        | 6/4/2018 11:37:50    |      |
| J3228-01MS   | S          | Total CN   | P         | 34.9611  | µg/l        | 6/4/2018 11:37:51    |      |
| J3228-01MSD  | S          | Total CN   | P         | 34.2796  | µg/l        | 6/4/2018 11:45:16    |      |
| J3235-01     | S          | Total CN   | P         | 1.4259   | µg/l        | 6/4/2018 11:45:17    |      |
| J3235-02     | S          | Total CN   | P         | 0.8168   | µg/l        | 6/4/2018 11:45:18    |      |
| CCV2         | S          | Total CN   | P         | 245.3197 | µg/l        | 6/4/2018 11:45:19    |      |
| CCB2         | S          | Total CN   | P         | 0.9292   | µg/l        | 6/4/2018 11:45:20    |      |
| J3235-03     | S          | Total CN   | P         | 1.1029   | µg/l        | 6/4/2018 11:45:21    |      |
| J3235-04     | S          | Total CN   | P         | 0.9442   | µg/l        | 6/4/2018 11:45:22    |      |
| J3235-06     | S          | Total CN   | P         | 0.9519   | µg/l        | 6/4/2018 11:45:24    |      |
| PB109889BL   | S          | Total CN   | P         | 0.7266   | µg/l        | 6/4/2018 11:45:25    |      |
| PB109889BS   | S          | Total CN   | P         | 96.5131  | µg/l        | 6/4/2018 11:45:26    |      |
| J3255-01     | S          | Total CN   | P         | 0.8139   | µg/l        | 6/4/2018 11:52:50    |      |
| J3255-01DUP  | S          | Total CN   | P         | 1.0522   | µg/l        | 6/4/2018 11:52:51    |      |
| J3255-01MS   | S          | Total CN   | P         | 31.6224  | µg/l        | 6/4/2018 11:52:52    |      |
| J3255-01MSD  | S          | Total CN   | P         | 31.871   | µg/l        | 6/4/2018 11:52:53    |      |
| CCV3         | S          | Total CN   | P         | 244.692  | µg/l        | 6/4/2018 11:52:54    |      |
| CCB3         | S          | Total CN   | P         | 0.0727   | µg/l        | 6/4/2018 11:52:55    |      |
| J3255-02     | S          | Total CN   | P         | 1.0002   | µg/l        | 6/4/2018 11:52:56    |      |
| J3255-03     | S          | Total CN   | P         | -3.496   | µg/l        | 6/4/2018 11:52:57    |      |
| J3255-04     | S          | Total CN   | P         | 0.7893   | µg/l        | 6/4/2018 11:52:58    |      |
| J3255-05     | S          | Total CN   | P         | 1.8742   | µg/l        | 6/4/2018 11:52:59    |      |
| J3255-06     | S          | Total CN   | P         | 2.1219   | µg/l        | 6/4/2018 11:53:00    |      |
| J3255-07     | S          | Total CN   | P         | 1.187    | µg/l        | 6/4/2018 12:00:23    |      |
| J3255-08     | S          | Total CN   | P         | 0.644    | µg/l        | 6/4/2018 12:00:24    |      |
| J3255-09     | S          | Total CN   | P         | 0.8142   | µg/l        | 6/4/2018 12:00:25    |      |

AS

|             |   |          |   |               |                   |
|-------------|---|----------|---|---------------|-------------------|
| J3255-10    | S | Total CN | P | 1.1907 µg/l   | 6/4/2018 12:00:26 |
| PB109890BL  | S | Total CN | P | 0.4411 µg/l   | 6/4/2018 12:00:27 |
| CCV4        | S | Total CN | P | 242.9758 µg/l | 6/4/2018 12:00:28 |
| CCB4        | S | Total CN | P | 0.6999 µg/l   | 6/4/2018 12:00:29 |
| PB109890BS  | S | Total CN | P | 97.5741 µg/l  | 6/4/2018 12:00:30 |
| J3237-03    | S | Total CN | P | 137.0498 µg/l | 6/4/2018 12:00:31 |
| J3237-03DUP | S | Total CN | P | 139.0595 µg/l | 6/4/2018 12:00:32 |
| J3237-03MS  | S | Total CN | P | 168.4976 µg/l | 6/4/2018 12:00:33 |
| J3237-03MSD | S | Total CN | P | 174.6544 µg/l | 6/4/2018 12:05:10 |
| J3235-05    | S | Total CN | P | 0.9093 µg/l   | 6/4/2018 12:38:46 |
| CCV5        | S | Total CN | P | 261.8047 µg/l | 6/4/2018 12:38:47 |
| CCB5        | S | Total CN | P | 0.4711 µg/l   | 6/4/2018 12:38:48 |

CHEMTECH  
 284 Sheffield Street,  
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 Reviewed by : AS

6/4/2018 11:02

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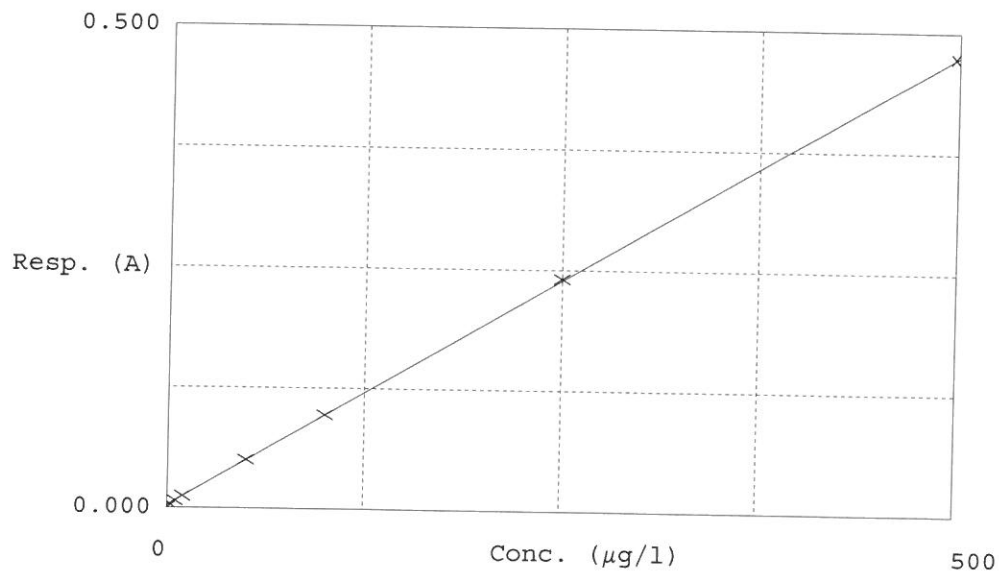
Test      Total CN

Accepted                      6/4/2018      11:02

Factor                      1059  
 Bias                        0.003

Coeff. of det.              0.999952

Errors



|   | Calibrator | Response | Calc. con. | Conc.    | Errors |
|---|------------|----------|------------|----------|--------|
| 1 | 0.0PPBCN   | 0.001    | -1.8903    | 0.0000   |        |
| 2 | 5.0PPBCN   | 0.008    | 5.1553     | 5.0000   |        |
| 3 | 10PPBCN    | 0.012    | 10.0593    | 10.0000  |        |
| 4 | 50PPBCN    | 0.050    | 50.4169    | 50.0000  |        |
| 5 | 100PPBCN   | 0.097    | 100.2922   | 100.0000 |        |
| 6 | 250PPBCN   | 0.241    | 252.1389   | 250.0000 |        |
| 7 | 500PPBCN   | 0.474    | 498.8278   | 500.0000 |        |