

LB85518

Test results

Aquakem 7.2AQ1

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

1/26/2017 9:34

Test: Total CN

| Sample Id             | Result <sup>ng/L</sup> | Dil. 1 + | Response | Errors |
|-----------------------|------------------------|----------|----------|--------|
| ICV1                  | 93.836                 | 0.0      | 0.098    |        |
| ICB1                  | 0.997                  | 0.0      | 0.006    |        |
| CCV1                  | 240.295                | 0.0      | 0.245    |        |
| CCB1                  | 0.904                  | 0.0      | 0.005    |        |
| PB96319BLW            | 1.247                  | 0.0      | 0.006    |        |
| PB96319BSW            | 96.539                 | 0.0      | 0.101    |        |
| LOWPB96319            | 9.881                  | 0.0      | 0.014    |        |
| HIGHPB96319           | 490.465                | 0.0      | 0.496    |        |
| I1272-29              | 295.477                | 0.0      | 0.300    |        |
| I1312-10              | 2.061                  | 0.0      | 0.007    |        |
| I1312-10D             | 2.099                  | 0.0      | 0.007    |        |
| CCV2                  | 242.493                | 0.0      | 0.247    |        |
| CCB2                  | 2.701                  | 0.0      | 0.007    |        |
| I1309-01              | 3.166                  | 0.0      | 0.008    |        |
| I1309-01D             | 1.606                  | 0.0      | 0.006    |        |
| I1309-04              | 0.416                  | 0.0      | 0.005    |        |
| I1309-05              | 5.552                  | 0.0      | 0.010    |        |
| I1309-06              | 0.792                  | 0.0      | 0.005    |        |
| I1386-01              | 1.666                  | 0.0      | 0.006    |        |
| CCV3                  | 245.801                | 0.0      | 0.251    |        |
| CCB3                  | 1.222                  | 0.0      | 0.006    |        |
| I1386-02 <sup>S</sup> | 35.027                 | 0.0      | 0.040    |        |
| I1386-03 <sup>S</sup> | 34.703                 | 0.0      | 0.039    |        |
| I1386-04              | 1.062                  | 0.0      | 0.006    |        |
| I1386-05              | 1.009                  | 0.0      | 0.006    |        |
| CCV4                  | 240.061                | 0.0      | 0.245    |        |
| CCB4                  | 1.975                  | 0.0      | 0.007    |        |
| I1312-10S             | 37.220                 | 0.0      | 0.042    |        |
| I1312-10SD            | 38.296                 | 0.0      | 0.043    |        |
| I1351-04              | 0.662                  | 0.0      | 0.005    |        |
| I1309-02S             | 34.575                 | 0.0      | 0.039    |        |
| I1309-03SD            | 34.204                 | 0.0      | 0.039    |        |
| CCV4 <sup>5</sup>     | 247.996                | 0.0      | 0.253    |        |
| CCB4 <sup>5</sup>     | 1.173                  | 0.0      | 0.006    |        |
| CCV5 <sup>6</sup>     | 251.628                | 0.0      | 0.256    |        |
| CCB5 <sup>6</sup>     | 2.864                  | 0.0      | 0.007    |        |
| PB96320BLS            | 2.780                  | 0.0      | 0.007    |        |
| PB96320BSS            | 101.775                | 0.0      | 0.106    |        |
| CCV6 <sup>7</sup>     | 255.642                | 0.0      | 0.260    |        |
| CCB6 <sup>7</sup>     | 2.802                  | 0.0      | 0.007    |        |

1/31/17

|      |          |
|------|----------|
| N    | 40       |
| Mean | 76.617   |
| SD   | 119.2014 |
| CV%  | 155.58   |

AK LB 85518

Aquakem v. 7.2AQ1

Results from time period:

Wed Jan 25 16:09:30 2017

Thu Jan 26 09:17:22 2017

| Sample Id   | Sam/Ctr/c/ | Test short | Test type | Result   | Result unit | Result date and time | Stat |
|-------------|------------|------------|-----------|----------|-------------|----------------------|------|
| 0.OPPBCN    | A          | Total CN   | P         | 0.8271   | µg/l        | 1/25/2017 13:23:26   |      |
| 5.OPPBCN    | A          | Total CN   | P         | 5.4307   | µg/l        | 1/25/2017 13:23:27   |      |
| 10PPBCN     | A          | Total CN   | P         | 9.9163   | µg/l        | 1/25/2017 13:23:28   |      |
| 50PPBCN     | A          | Total CN   | P         | 50.861   | µg/l        | 1/25/2017 13:23:29   |      |
| 100PPBCN    | A          | Total CN   | P         | 99.1021  | µg/l        | 1/25/2017 13:23:30   |      |
| 250PPBCN    | A          | Total CN   | P         | 247.5437 | µg/l        | 1/25/2017 13:23:31   |      |
| 500PPBCN    | A          | Total CN   | P         | 501.319  | µg/l        | 1/25/2017 13:23:32   |      |
| ICV1        | S          | Total CN   | P         | 93.8356  | µg/l        | 1/25/2017 16:09:30   |      |
| ICB1        | S          | Total CN   | P         | 0.9967   | µg/l        | 1/25/2017 16:09:31   |      |
| CCV1        | S          | Total CN   | P         | 240.2951 | µg/l        | 1/25/2017 16:09:32   |      |
| CCB1        | S          | Total CN   | P         | 0.9041   | µg/l        | 1/25/2017 16:09:33   |      |
| PB96319BLW  | S          | Total CN   | P         | 1.2474   | µg/l        | 1/25/2017 16:09:34   |      |
| PB96319BSW  | S          | Total CN   | P         | 96.5387  | µg/l        | 1/25/2017 16:09:35   |      |
| LOWPB96319  | S          | Total CN   | P         | 9.8806   | µg/l        | 1/25/2017 16:09:36   |      |
| HIGHPB96319 | S          | Total CN   | P         | 490.4649 | µg/l        | 1/25/2017 16:09:37   |      |
| I1272-29    | S          | Total CN   | P         | 295.4768 | µg/l        | 1/25/2017 16:09:38   |      |
| I1312-10    | S          | Total CN   | P         | 2.0613   | µg/l        | 1/25/2017 16:09:39   |      |
| I1312-10D   | S          | Total CN   | P         | 2.0988   | µg/l        | 1/25/2017 16:09:40   |      |
| CCV2        | S          | Total CN   | P         | 242.4933 | µg/l        | 1/25/2017 16:17:05   |      |
| CCB2        | S          | Total CN   | P         | 2.7014   | µg/l        | 1/25/2017 16:17:06   |      |
| I1309-01    | S          | Total CN   | P         | 3.1662   | µg/l        | 1/25/2017 16:17:09   |      |
| I1309-01D   | S          | Total CN   | P         | 1.6062   | µg/l        | 1/25/2017 16:17:10   |      |
| I1309-04    | S          | Total CN   | P         | 0.4156   | µg/l        | 1/25/2017 16:24:37   |      |
| I1309-05    | S          | Total CN   | P         | 5.5516   | µg/l        | 1/25/2017 16:24:38   |      |
| I1309-06    | S          | Total CN   | P         | 0.7919   | µg/l        | 1/25/2017 16:24:39   |      |
| I1386-01    | S          | Total CN   | P         | 1.6658   | µg/l        | 1/25/2017 16:24:40   |      |
| CCV3        | S          | Total CN   | P         | 245.8015 | µg/l        | 1/25/2017 16:24:41   |      |
| CCB3        | S          | Total CN   | P         | 1.2217   | µg/l        | 1/25/2017 16:24:42   |      |
| I1386-02    | S          | Total CN   | P         | 35.0269  | µg/l        | 1/25/2017 16:24:43   |      |
| I1386-03    | S          | Total CN   | P         | 34.7028  | µg/l        | 1/25/2017 16:24:44   |      |
| I1386-04    | S          | Total CN   | P         | 1.0618   | µg/l        | 1/25/2017 16:24:45   |      |
| I1386-05    | S          | Total CN   | P         | 1.0094   | µg/l        | 1/25/2017 16:24:46   |      |
| CCV4        | S          | Total CN   | P         | 240.0611 | µg/l        | 1/25/2017 16:24:47   |      |
| CCB4        | S          | Total CN   | P         | 1.9752   | µg/l        | 1/25/2017 16:27:25   |      |
| I1312-10S   | S          | Total CN   | P         | 37.2204  | µg/l        | 1/25/2017 16:47:29   |      |
| I1312-10SD  | S          | Total CN   | P         | 38.2962  | µg/l        | 1/25/2017 16:47:30   |      |
| I1351-04    | S          | Total CN   | P         | 0.6618   | µg/l        | 1/25/2017 16:47:31   |      |
| I1309-02S   | S          | Total CN   | P         | 34.5753  | µg/l        | 1/25/2017 16:47:34   |      |
| I1309-03SD  | S          | Total CN   | P         | 34.2045  | µg/l        | 1/25/2017 16:47:35   |      |
| CCV5        | S          | Total CN   | P         | 247.9962 | µg/l        | 1/25/2017 16:47:36   |      |
| CCB5        | S          | Total CN   | P         | 1.1726   | µg/l        | 1/25/2017 16:47:37   |      |
| CCV6        | S          | Total CN   | P         | 251.6279 | µg/l        | 1/26/2017 9:17:17    |      |

|            |   |          |   |               |                   |
|------------|---|----------|---|---------------|-------------------|
| PB96320BLS | S | Total CN | P | 2.7795 µg/l   | 1/26/2017 9:17:19 |
| PB96320BSS | S | Total CN | P | 101.7755 µg/l | 1/26/2017 9:17:20 |
| CCV7       | S | Total CN | P | 255.642 µg/l  | 1/26/2017 9:17:21 |
| CCB7       | S | Total CN | P | 2.8019 µg/l   | 1/26/2017 9:17:22 |

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 284 Sheffield Street,  
 Mountainside, NJ 07092  
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1/25/2017 13:32

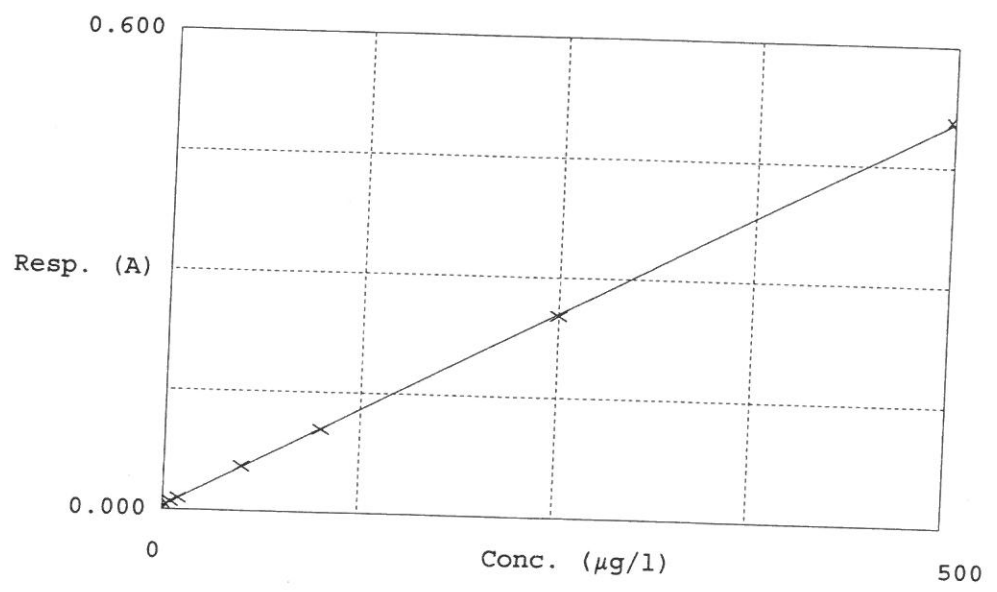
Test      Total CN

Accepted      1/25/2017      13:32

Factor      998.9  
 Bias      0.005

Coeff. of det.      0.999950

Errors



|   | Calibrator | Response | Calc. con. | Conc.    | Errors |
|---|------------|----------|------------|----------|--------|
| 1 | 0.0PPBCN   | 0.005    | 0.8271     | 0.0000   |        |
| 2 | 5.0PPBCN   | 0.010    | 5.4307     | 5.0000   |        |
| 3 | 10PPBCN    | 0.014    | 9.9163     | 10.0000  |        |
| 4 | 50PPBCN    | 0.055    | 50.8610    | 50.0000  |        |
| 5 | 100PPBCN   | 0.104    | 99.1021    | 100.0000 |        |
| 6 | 250PPBCN   | 0.252    | 247.5437   | 250.0000 |        |
| 7 | 500PPBCN   | 0.506    | 501.3190   | 500.0000 |        |