

LB90743

Test results

Aquakem 7.2AQ1

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

10/11/2017 16:09

Test: Total CN

ug/l

| Sample Id    | Result  | Dil. 1 + | Response | Errors |
|--------------|---------|----------|----------|--------|
| ICV1         | 97.311  | 0.0      | 0.097    |        |
| ICB1         | -0.533  | 0.0      | 0.003    |        |
| CCV1         | 248.941 | 0.0      | 0.241    |        |
| CCB1         | 0.401   | 0.0      | 0.004    |        |
| PB103164BL   | -0.608  | 0.0      | 0.003    |        |
| PB103164BS   | 97.474  | 0.0      | 0.097    |        |
| LOWPB103164  | 9.734   | 0.0      | 0.013    |        |
| HIGHPB103164 | 481.949 | 0.0      | 0.463    |        |
| I5765-01     | -0.195  | 0.0      | 0.004    |        |
| I5765-01DUP  | -0.702  | 0.0      | 0.003    |        |
| I5765-01MS   | 36.964  | 0.0      | 0.039    |        |
| I5765-01MSD  | 37.325  | 0.0      | 0.040    |        |
| I5775-01     | -0.859  | 0.0      | 0.003    |        |
| CCV2         | 245.897 | 0.0      | 0.238    |        |
| CCB2         | -0.280  | 0.0      | 0.004    |        |
| I5779-03     | -0.441  | 0.0      | 0.004    |        |
| I5780-01     | 4.652   | 0.0      | 0.008    |        |
| I5780-05     | 4.023   | 0.0      | 0.008    |        |
| PB103165BL   | -0.955  | 0.0      | 0.003    |        |
| PB103165BS   | 98.643  | 0.0      | 0.098    |        |
| I5782-01     | -0.871  | 0.0      | 0.003    |        |
| I5782-01DUP  | -0.678  | 0.0      | 0.003    |        |
| I5782-01MS   | 32.842  | 0.0      | 0.035    |        |
| I5782-01MSD  | 33.177  | 0.0      | 0.036    |        |
| I5782-02     | -0.381  | 0.0      | 0.004    |        |
| CCV3         | 242.486 | 0.0      | 0.235    |        |
| CCB3         | -0.146  | 0.0      | 0.004    |        |
| I5782-03     | -0.597  | 0.0      | 0.003    |        |
| I5782-04     | -1.178  | 0.0      | 0.003    |        |
| I5782-05     | 0.246   | 0.0      | 0.004    |        |
| I5782-06     | -4.798  | 0.0      | -0.001   |        |
| I5782-07     | -0.884  | 0.0      | 0.003    |        |
| I5782-08     | -1.629  | 0.0      | 0.002    |        |
| I5782-09     | -0.982  | 0.0      | 0.003    |        |
| I5782-10     | -0.065  | 0.0      | 0.004    |        |
| I5779-01     | -0.560  | 0.0      | 0.003    |        |
| CCV4         | 258.624 | 0.0      | 0.250    |        |
| CCB4         | -0.906  | 0.0      | 0.003    |        |

N 38  
Mean 50.327  
SD 106.2832  
CV% 211.18

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Aquakem v. 7.2AQ1

Results from time period:

Wed Oct 11 13:50:59 2017

Wed Oct 11 16:02:28 2017

| Sample Id    | Sam/Ctr/c/ | Test short | Test type | Result   | Result unit | Result date and time | Stat |
|--------------|------------|------------|-----------|----------|-------------|----------------------|------|
| 0.0PPBCN     | A          | Total CN   | P         | -0.448   | µg/l        | 10/11/2017 13:50:59  |      |
| 5.0PPBCN     | A          | Total CN   | P         | 3.0487   | µg/l        | 10/11/2017 13:51:00  |      |
| 10PPBCN      | A          | Total CN   | P         | 8.8139   | µg/l        | 10/11/2017 13:51:01  |      |
| 50PPBCN      | A          | Total CN   | P         | 47.2722  | µg/l        | 10/11/2017 13:51:02  |      |
| 100PPBCN     | A          | Total CN   | P         | 100.9024 | µg/l        | 10/11/2017 13:51:03  |      |
| 250PPBCN     | A          | Total CN   | P         | 260.5507 | µg/l        | 10/11/2017 13:51:04  |      |
| 500PPBCN     | A          | Total CN   | P         | 494.8602 | µg/l        | 10/11/2017 13:51:05  |      |
| ICV1         | S          | Total CN   | P         | 97.3115  | µg/l        | 10/11/2017 14:39:43  |      |
| ICB1         | S          | Total CN   | P         | -0.5328  | µg/l        | 10/11/2017 14:39:44  |      |
| CCV1         | S          | Total CN   | P         | 248.9408 | µg/l        | 10/11/2017 14:39:47  |      |
| CCB1         | S          | Total CN   | P         | 0.4015   | µg/l        | 10/11/2017 14:39:48  |      |
| PB103164BL   | S          | Total CN   | P         | -0.6075  | µg/l        | 10/11/2017 14:39:50  |      |
| PB103164BS   | S          | Total CN   | P         | 97.4744  | µg/l        | 10/11/2017 14:39:52  |      |
| LOWPB103164  | S          | Total CN   | P         | 9.7337   | µg/l        | 10/11/2017 14:47:19  |      |
| HIGHPB103164 | S          | Total CN   | P         | 481.9488 | µg/l        | 10/11/2017 14:47:20  |      |
| I5765-01     | S          | Total CN   | P         | -0.1949  | µg/l        | 10/11/2017 14:47:21  |      |
| I5765-01DUP  | S          | Total CN   | P         | -0.7019  | µg/l        | 10/11/2017 14:47:22  |      |
| I5765-01MS   | S          | Total CN   | P         | 36.9639  | µg/l        | 10/11/2017 14:47:23  |      |
| I5765-01MSD  | S          | Total CN   | P         | 37.3248  | µg/l        | 10/11/2017 14:47:24  |      |
| I5775-01     | S          | Total CN   | P         | -0.8588  | µg/l        | 10/11/2017 14:47:25  |      |
| CCV2         | S          | Total CN   | P         | 245.8967 | µg/l        | 10/11/2017 14:47:27  |      |
| CCB2         | S          | Total CN   | P         | -0.2805  | µg/l        | 10/11/2017 14:54:49  |      |
| I5779-03     | S          | Total CN   | P         | -0.4409  | µg/l        | 10/11/2017 14:54:50  |      |
| I5780-01     | S          | Total CN   | P         | 4.6517   | µg/l        | 10/11/2017 14:54:51  |      |
| I5780-05     | S          | Total CN   | P         | 4.0235   | µg/l        | 10/11/2017 14:54:52  |      |
| PB103165BL   | S          | Total CN   | P         | -0.9553  | µg/l        | 10/11/2017 14:54:53  |      |
| PB103165BS   | S          | Total CN   | P         | 98.6431  | µg/l        | 10/11/2017 14:54:54  |      |
| I5782-01     | S          | Total CN   | P         | -0.8707  | µg/l        | 10/11/2017 14:54:55  |      |
| I5782-01DUP  | S          | Total CN   | P         | -0.6777  | µg/l        | 10/11/2017 14:54:56  |      |
| I5782-01MS   | S          | Total CN   | P         | 32.8421  | µg/l        | 10/11/2017 14:54:57  |      |
| I5782-01MSD  | S          | Total CN   | P         | 33.177   | µg/l        | 10/11/2017 14:54:58  |      |
| I5782-02     | S          | Total CN   | P         | -0.381   | µg/l        | 10/11/2017 14:54:59  |      |
| CCV3         | S          | Total CN   | P         | 242.4861 | µg/l        | 10/11/2017 15:02:24  |      |
| CCB3         | S          | Total CN   | P         | -0.1464  | µg/l        | 10/11/2017 15:02:25  |      |
| I5782-03     | S          | Total CN   | P         | -0.5974  | µg/l        | 10/11/2017 15:02:26  |      |
| I5782-04     | S          | Total CN   | P         | -1.1778  | µg/l        | 10/11/2017 15:02:27  |      |
| I5782-05     | S          | Total CN   | P         | 0.2456   | µg/l        | 10/11/2017 15:02:28  |      |
| I5782-06     | S          | Total CN   | P         | -4.7984  | µg/l        | 10/11/2017 15:02:29  |      |
| I5782-07     | S          | Total CN   | P         | -0.8835  | µg/l        | 10/11/2017 15:02:30  |      |
| I5782-08     | S          | Total CN   | P         | -1.6287  | µg/l        | 10/11/2017 15:02:31  |      |
| I5782-09     | S          | Total CN   | P         | -0.9816  | µg/l        | 10/11/2017 15:02:32  |      |
| I5782-10     | S          | Total CN   | P         | -0.0655  | µg/l        | 10/11/2017 15:02:33  |      |

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|          |   |          |   |               |                     |
|----------|---|----------|---|---------------|---------------------|
| I5779-01 | S | Total CN | P | -0.5601 µg/l  | 10/11/2017 15:08:07 |
| CCV4     | S | Total CN | P | 258.6241 µg/l | 10/11/2017 15:10:20 |
| CCB4     | S | Total CN | P | -0.9065 µg/l  | 10/11/2017 15:10:21 |

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Calibration results

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284 Sheffield Street,  
Mountainside, NJ 07092  
Reviewed by : DP

10/11/2017 13:53

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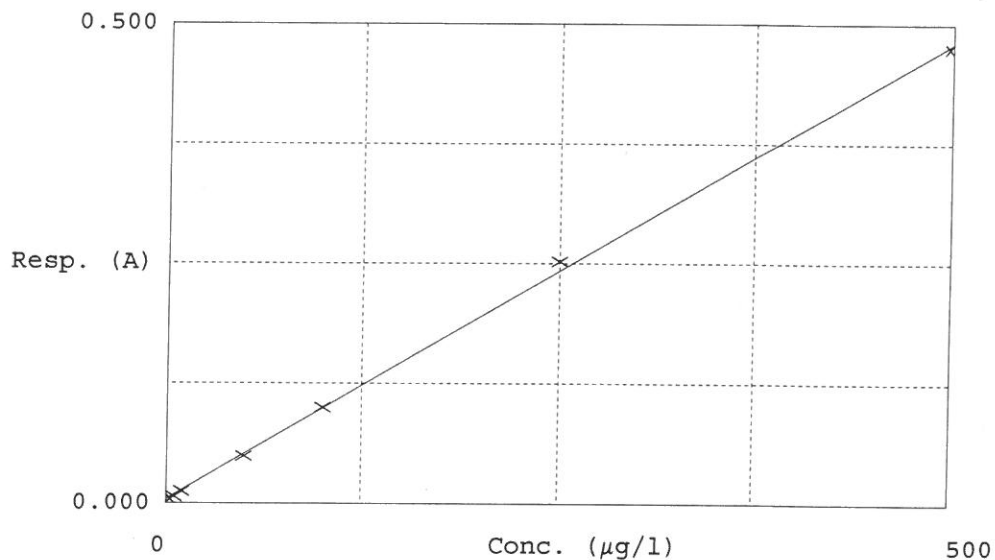
Test Total CN

Accepted 10/11/2017 13:53

Factor 1050  
Bias 0.004

Coeff. of det. 0.999264

Errors



|   | Calibrator | Response | Calc. con. | Conc.    | Errors |
|---|------------|----------|------------|----------|--------|
| 1 | 0.0PPBCN   | 0.004    | -0.4480    | 0.0000   |        |
| 2 | 5.0PPBCN   | 0.007    | 3.0487     | 5.0000   |        |
| 3 | 10PPBCN    | 0.012    | 8.8139     | 10.0000  |        |
| 4 | 50PPBCN    | 0.049    | 47.2722    | 50.0000  |        |
| 5 | 100PPBCN   | 0.100    | 100.9024   | 100.0000 |        |
| 6 | 250PPBCN   | 0.252    | 260.5507   | 250.0000 |        |
| 7 | 500PPBCN   | 0.475    | 494.8602   | 500.0000 |        |