

LB88624

Test results

Aquakem 7.2AQ1

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CHEMTECH

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

7/10/2017 12:28

Test: TKN-NH3

| Sample Id   | Result | Dil. 1 + | Response | Errors |
|-------------|--------|----------|----------|--------|
| ICV1        | 5.247  | 0.0      | 1.321    |        |
| ICB1        | 0.070  | 0.0      | 0.055    |        |
| CCV1        | 4.341  | 0.0      | 1.100    |        |
| CCB1        | 0.070  | 0.0      | 0.055    |        |
| PB100481BL  | 0.075  | 0.0      | 0.056    |        |
| PB100481BS  | 5.240  | 0.0      | 1.320    |        |
| I4064-01    | 0.589  | 0.0      | 0.182    |        |
| I4064-01DUP | 0.597  | 0.0      | 0.184    |        |
| I4064-02MS  | 5.271  | 0.0      | 1.327    |        |
| I4064-03MSD | 5.301  | 0.0      | 1.334    |        |
| I4064-04    | 1.603  | 0.0      | 0.430    |        |
| I4064-05    | 0.794  | 0.0      | 0.232    |        |
| I4064-06    | 0.306  | 0.0      | 0.112    |        |
| I4064-07    | 0.462  | 0.0      | 0.151    |        |
| CCV2        | 4.348  | 0.0      | 1.101    |        |
| CCB2        | 0.064  | 0.0      | 0.053    |        |
| I4064-08    | 0.348  | 0.0      | 0.123    |        |
| I4064-09    | 0.287  | 0.0      | 0.108    |        |
| I4064-10    | 0.214  | 0.0      | 0.090    |        |
| I4064-11    | 0.404  | 0.0      | 0.136    |        |
| I4064-12    | 0.218  | 0.0      | 0.091    |        |
| CCV3        | 4.303  | 0.0      | 1.090    |        |
| CCB3        | 0.070  | 0.0      | 0.055    |        |

|      |        |
|------|--------|
| N    | 23     |
| Mean | 1.749  |
| SD   | 2.1478 |
| CV%  | 122.82 |

CB 88624

Aquakem v. 7.2AQ1

Results from time period:

Mon Jul 10 11:22:33 2017

Mon Jul 10 12:06:29 2017

ALC

| Sample Id   | Sam/Ctr/c/ | Test short | Test type | Result  | Result unit | Result date and time | Stat |
|-------------|------------|------------|-----------|---------|-------------|----------------------|------|
| 0.5PPM      | A          | TKN-NH3    | P         | 0.542   | mg/l        | 7/10/2017 11:22:33   |      |
| 1.0PPM      | A          | TKN-NH3    | P         | 1.0297  | mg/l        | 7/10/2017 11:22:34   |      |
| 2.5PPM      | A          | TKN-NH3    | P         | 2.4774  | mg/l        | 7/10/2017 11:22:35   |      |
| 5.0PPM      | A          | TKN-NH3    | P         | 4.9646  | mg/l        | 7/10/2017 11:22:36   |      |
| 6.7PPM      | A          | TKN-NH3    | P         | 6.5706  | mg/l        | 7/10/2017 11:22:37   |      |
| 10.0PPM     | A          | TKN-NH3    | P         | 10.0823 | mg/l        | 7/10/2017 11:22:38   |      |
| ICV1        | S          | TKN-NH3    | P         | 5.2468  | mg/l        | 7/10/2017 11:56:10   |      |
| ICB1        | S          | TKN-NH3    | P         | 0.0702  | mg/l        | 7/10/2017 11:56:11   |      |
| CCV1        | S          | TKN-NH3    | P         | 4.3408  | mg/l        | 7/10/2017 11:56:12   |      |
| CCB1        | S          | TKN-NH3    | P         | 0.0703  | mg/l        | 7/10/2017 11:56:13   |      |
| PB100481BL  | S          | TKN-NH3    | P         | 0.0746  | mg/l        | 7/10/2017 11:56:14   |      |
| PB100481BS  | S          | TKN-NH3    | P         | 5.2403  | mg/l        | 7/10/2017 11:56:15   |      |
| I4064-01    | S          | TKN-NH3    | P         | 0.5889  | mg/l        | 7/10/2017 11:56:16   |      |
| I4064-01DUP | S          | TKN-NH3    | P         | 0.5968  | mg/l        | 7/10/2017 11:56:17   |      |
| I4064-02MS  | S          | TKN-NH3    | P         | 5.2712  | mg/l        | 7/10/2017 11:56:18   |      |
| I4064-03MSD | S          | TKN-NH3    | P         | 5.3007  | mg/l        | 7/10/2017 11:56:19   |      |
| I4064-04    | S          | TKN-NH3    | P         | 1.6027  | mg/l        | 7/10/2017 11:56:20   |      |
| I4064-05    | S          | TKN-NH3    | P         | 0.7938  | mg/l        | 7/10/2017 11:56:21   |      |
| I4064-06    | S          | TKN-NH3    | P         | 0.306   | mg/l        | 7/10/2017 12:06:19   |      |
| I4064-07    | S          | TKN-NH3    | P         | 0.4622  | mg/l        | 7/10/2017 12:06:20   |      |
| CCV2        | S          | TKN-NH3    | P         | 4.3476  | mg/l        | 7/10/2017 12:06:21   |      |
| CCB2        | S          | TKN-NH3    | P         | 0.0639  | mg/l        | 7/10/2017 12:06:22   |      |
| I4064-08    | S          | TKN-NH3    | P         | 0.3483  | mg/l        | 7/10/2017 12:06:23   |      |
| I4064-09    | S          | TKN-NH3    | P         | 0.2868  | mg/l        | 7/10/2017 12:06:24   |      |
| I4064-10    | S          | TKN-NH3    | P         | 0.2142  | mg/l        | 7/10/2017 12:06:25   |      |
| I4064-11    | S          | TKN-NH3    | P         | 0.4044  | mg/l        | 7/10/2017 12:06:26   |      |
| I4064-12    | S          | TKN-NH3    | P         | 0.2179  | mg/l        | 7/10/2017 12:06:27   |      |
| CCV3        | S          | TKN-NH3    | P         | 4.3033  | mg/l        | 7/10/2017 12:06:28   |      |
| CCB3        | S          | TKN-NH3    | P         | 0.0702  | mg/l        | 7/10/2017 12:06:29   |      |

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Reviewed by : AK

7/10/2017 11:24

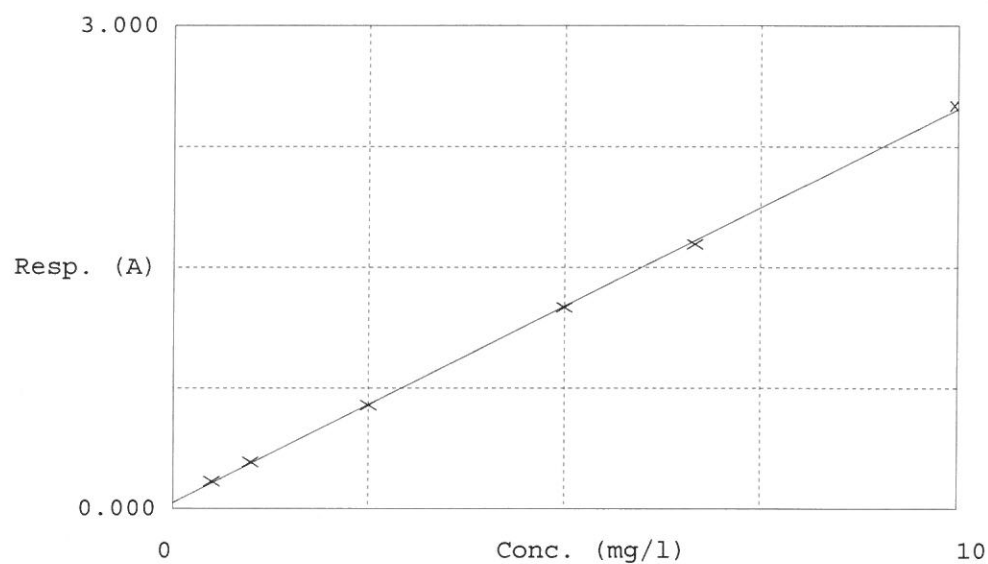
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Test TKN-NH3

Accepted 7/10/2017 11:24

Factor 4.087  
Bias 0.038

Coeff. of det. 0.999696

Errors Meas. error



|   | Calibrator | Response | Calc. con. | Conc.   | Errors    |
|---|------------|----------|------------|---------|-----------|
| 1 | TKN-10     | 0.170    | 0.5420     | 0.5000  |           |
| 2 | TKN-10     | 0.289    | 1.0297     | 1.0000  |           |
| 3 | TKN-10     | 0.644    | 2.4774     | 2.5000  |           |
| 4 | TKN-10     | 1.252    | 4.9646     | 5.0000  |           |
| 5 | TKN-10     | 1.645    | 6.5706     | 6.6667  |           |
| 6 | TKN-10     | 2.504    | 10.0823    | 10.0000 | Init abs. |