

Test results

Aquakem 7.2AQ1

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

2/12/2019 14:11

Test: TKN-NH3

| Sample Id                             | Result <i>mg/d</i> | Dil. 1 + | Response | Errors          |
|---------------------------------------|--------------------|----------|----------|-----------------|
| ICV1                                  | 5.762              | 0.0      | 1.189    |                 |
| ICB1                                  | 0.012              | 0.0      | 0.043    |                 |
| CCV1                                  | 5.825              | 0.0      | 1.201    |                 |
| CCB1                                  | -0.011             | 0.0      | 0.038    |                 |
| PB116980BL                            | -0.015             | 0.0      | 0.037    |                 |
| PB116980BS                            | 5.609              | 0.0      | 1.158    |                 |
| K1421-06                              | 4.024              | 0.0      | 0.842    |                 |
| K1421-06DUP                           | 4.056              | 0.0      | 0.849    |                 |
| K1421-06MS                            | 9.476              | 0.0      | 1.929    |                 |
| K1421-06MSD                           | 9.409              | 0.0      | 1.916    |                 |
| K1437-01                              | 0.558              | 0.0      | 0.151    |                 |
| K1451-01                              | 5.791              | 0.0      | 1.194    |                 |
| K1451-02                              | 11.201             | 0.0      | 2.273    | Test limit high |
| <i>AS</i> <i>CCV2</i> <del>CCV3</del> | 5.679              | 0.0      | 1.172    |                 |
| <i>AS</i> <i>CCB2</i> <del>CCB3</del> | -0.005             | 0.0      | 0.039    |                 |
| <i>CCV3</i> <del>CCV4</del>           | 5.681              | 0.0      | 1.173    |                 |
| <i>AS</i> <i>CCB3</i> <del>CCB4</del> | 5.584              | 0.0      | 1.153    |                 |
|                                       | -0.003             | 0.0      | 0.040    |                 |
| N                                     | 18                 |          |          |                 |
| Mean                                  | 4.368              |          |          |                 |
| SD                                    | 3.6062             |          |          |                 |
| CV%                                   | 82.55              |          |          |                 |

Aquakem v. 7.2AQ1

AS

Results from time period:

Tue Feb 12 11:37:34 2019

Tue Feb 12 14:06:57 2019

| Sample Id    | Sam/Ctr/c | Test short | Test type | Result  | Result unit | Result date and time | Stat |
|--------------|-----------|------------|-----------|---------|-------------|----------------------|------|
| 0.5PPM       | A         | TKN-NH3    | P         | 0.4815  | mg/l        | 2/12/2019 11:37:34   |      |
| 1.0PPM       | A         | TKN-NH3    | P         | 0.9491  | mg/l        | 2/12/2019 11:37:35   |      |
| 2.5PPM       | A         | TKN-NH3    | P         | 2.5478  | mg/l        | 2/12/2019 11:37:36   |      |
| 5.0PPM       | A         | TKN-NH3    | P         | 4.9884  | mg/l        | 2/12/2019 11:37:37   |      |
| 6.7PPM       | A         | TKN-NH3    | P         | 6.7666  | mg/l        | 2/12/2019 11:37:38   |      |
| 10.0PPM      | A         | TKN-NH3    | P         | 9.9332  | mg/l        | 2/12/2019 11:37:39   |      |
| ICV1         | S         | TKN-NH3    | P         | 5.7623  | mg/l        | 2/12/2019 12:40:07   |      |
| ICB1         | S         | TKN-NH3    | P         | 0.0121  | mg/l        | 2/12/2019 12:40:08   |      |
| CCV1         | S         | TKN-NH3    | P         | 5.8248  | mg/l        | 2/12/2019 12:40:09   |      |
| CCB1         | S         | TKN-NH3    | P         | -0.0114 | mg/l        | 2/12/2019 12:40:10   |      |
| PB116980BL   | S         | TKN-NH3    | P         | -0.0152 | mg/l        | 2/12/2019 12:40:11   |      |
| PB116980BS   | S         | TKN-NH3    | P         | 5.6093  | mg/l        | 2/12/2019 12:40:12   |      |
| K1421-06     | S         | TKN-NH3    | P         | 4.0243  | mg/l        | 2/12/2019 12:40:13   |      |
| K1421-06DUP  | S         | TKN-NH3    | P         | 4.056   | mg/l        | 2/12/2019 12:40:14   |      |
| K1421-06MS   | S         | TKN-NH3    | P         | 9.4758  | mg/l        | 2/12/2019 12:40:15   |      |
| K1421-06MSD  | S         | TKN-NH3    | P         | 9.4095  | mg/l        | 2/12/2019 12:40:16   |      |
| K1437-01     | S         | TKN-NH3    | P         | 0.5576  | mg/l        | 2/12/2019 12:40:17   |      |
| K1451-01     | S         | TKN-NH3    | P         | 5.7912  | mg/l        | 2/12/2019 12:40:18   |      |
| K1451-02     | S         | TKN-NH3    | P         | 11.2008 | mg/l        | 2/12/2019 12:46:46   |      |
| CCV2         | S         | TKN-NH3    | P         | 5.6788  | mg/l        | 2/12/2019 12:46:49   |      |
| CCB2         | S         | TKN-NH3    | P         | -0.0051 | mg/l        | 2/12/2019 12:46:50   |      |
| K1451-02DLX2 | S         | TKN-NH3    | P         | 5.6812  | mg/l        | 2/12/2019 14:06:55   |      |
| CCV3         | S         | TKN-NH3    | P         | 5.5839  | mg/l        | 2/12/2019 14:06:56   |      |
| CCB3         | S         | TKN-NH3    | P         | -0.0033 | mg/l        | 2/12/2019 14:06:57   |      |

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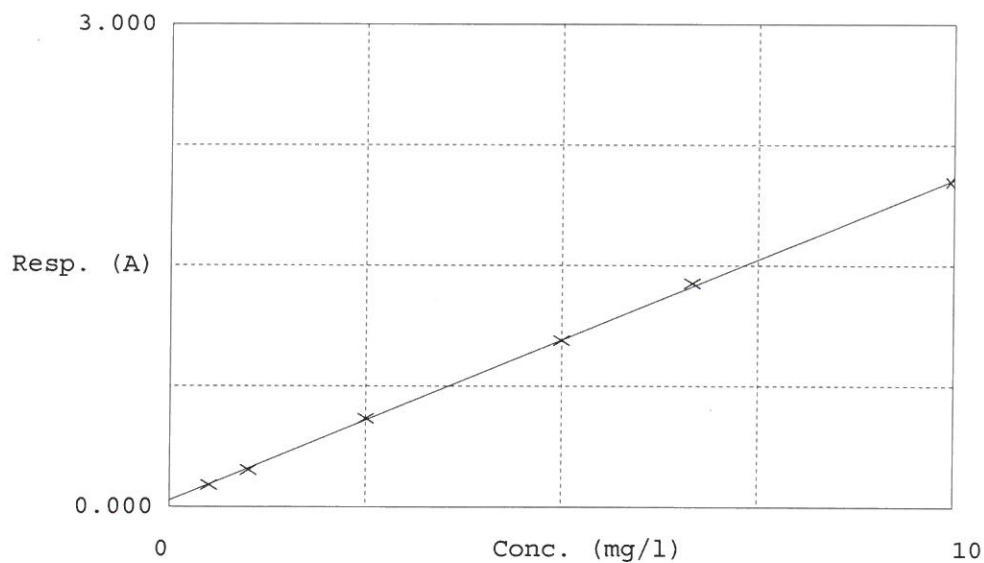
Test TKN-NH3

Accepted 2/12/2019 12:12

Factor 5.017  
Bias 0.040

Coeff. of det. 0.999705

Errors



|   | Calibrator | Response | Calc. con. | Conc.   | Errors |
|---|------------|----------|------------|---------|--------|
| 1 | TKN-10     | 0.136    | 0.4815     | 0.5000  |        |
| 2 | TKN-10     | 0.229    | 0.9491     | 1.0000  |        |
| 3 | TKN-10     | 0.548    | 2.5478     | 2.5000  |        |
| 4 | TKN-10     | 1.034    | 4.9884     | 5.0000  |        |
| 5 | TKN-10     | 1.389    | 6.7666     | 6.6667  |        |
| 6 | TKN-10     | 2.020    | 9.9332     | 10.0000 |        |