

LB86962

Test results

Aquakem 7.2AQ1

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

4/19/2017 13:24

Test: TKN-NH3

| Sample Id   | Result <sup>mg/L</sup> | Dil. 1 + | Response | Errors |
|-------------|------------------------|----------|----------|--------|
| ICV1        | 5.433                  | 0.0      | 1.339    |        |
| ICB1        | 0.084                  | 0.0      | 0.035    |        |
| CCV1        | 5.211                  | 0.0      | 1.285    |        |
| CCB1        | 0.078                  | 0.0      | 0.033    |        |
| PB98282BL   | 0.084                  | 0.0      | 0.035    |        |
| PB98282BS   | 5.467                  | 0.0      | 1.347    |        |
| I2710-01    | 0.437                  | 0.0      | 0.121    |        |
| I2710-01DUP | 0.446                  | 0.0      | 0.123    |        |
| I2710-01MS  | 5.719                  | 0.0      | 1.409    |        |
| I2710-01MSD | 5.693                  | 0.0      | 1.403    |        |
| I2710-02    | 0.556                  | 0.0      | 0.150    |        |
| I2710-03    | 0.470                  | 0.0      | 0.129    |        |
| I2710-04    | 0.343                  | 0.0      | 0.098    |        |
| I2710-07    | 0.463                  | 0.0      | 0.127    |        |
| CCV2        | 5.231                  | 0.0      | 1.290    |        |
| CCB2        | 0.080                  | 0.0      | 0.034    |        |
| I2710-08    | 0.484                  | 0.0      | 0.132    |        |
| I2710-09    | 0.888                  | 0.0      | 0.231    |        |
| I2710-10    | 0.178                  | 0.0      | 0.058    |        |
| I2710-11    | 0.452                  | 0.0      | 0.125    |        |
| I2710-12    | 0.337                  | 0.0      | 0.096    |        |
| I2710-13    | 0.598                  | 0.0      | 0.160    |        |
| I2710-14    | 0.644                  | 0.0      | 0.171    |        |
| CCV3        | 5.225                  | 0.0      | 1.289    |        |
| CCB3        | 0.081                  | 0.0      | 0.034    |        |

|      |        |
|------|--------|
| N    | 25     |
| Mean | 1.787  |
| SD   | 2.3266 |
| CV%  | 130.17 |

UB86962

Aquakem v. 7.2AQ1

Results from time period:

AK

Wed Apr 19 12:22:18 2017

Wed Apr 19 13:21:21 2017

| Sample Id   | Sam/Ctr/c/ | Test short | Test type | Result  | Result unit | Result date and time | Stat |
|-------------|------------|------------|-----------|---------|-------------|----------------------|------|
| 0.5PPM      | A          | TKN-NH3    | P         | 0.5458  | mg/l        | 4/19/2017 12:22:18   |      |
| 1.0PPM      | A          | TKN-NH3    | P         | 1.0221  | mg/l        | 4/19/2017 12:22:19   |      |
| 2.5PPM      | A          | TKN-NH3    | P         | 2.4718  | mg/l        | 4/19/2017 12:22:20   |      |
| 5.0PPM      | A          | TKN-NH3    | P         | 4.9462  | mg/l        | 4/19/2017 12:22:21   |      |
| 6.7PPM      | A          | TKN-NH3    | P         | 6.6207  | mg/l        | 4/19/2017 12:22:22   |      |
| 10.0PPM     | A          | TKN-NH3    | P         | 10.0601 | mg/l        | 4/19/2017 12:22:23   |      |
| ICV1        | S          | TKN-NH3    | P         | 5.4332  | mg/l        | 4/19/2017 13:07:23   |      |
| ICB1        | S          | TKN-NH3    | P         | 0.0838  | mg/l        | 4/19/2017 13:07:24   |      |
| CCV1        | S          | TKN-NH3    | P         | 5.2114  | mg/l        | 4/19/2017 13:07:25   |      |
| CCB1        | S          | TKN-NH3    | P         | 0.0778  | mg/l        | 4/19/2017 13:07:26   |      |
| PB98282BL   | S          | TKN-NH3    | P         | 0.0837  | mg/l        | 4/19/2017 13:07:27   |      |
| PB98282BS   | S          | TKN-NH3    | P         | 5.4666  | mg/l        | 4/19/2017 13:07:28   |      |
| I2710-01    | S          | TKN-NH3    | P         | 0.4365  | mg/l        | 4/19/2017 13:07:29   |      |
| I2710-01DUP | S          | TKN-NH3    | P         | 0.4459  | mg/l        | 4/19/2017 13:07:30   |      |
| I2710-01MS  | S          | TKN-NH3    | P         | 5.7193  | mg/l        | 4/19/2017 13:07:31   |      |
| I2710-01MSD | S          | TKN-NH3    | P         | 5.6928  | mg/l        | 4/19/2017 13:07:32   |      |
| I2710-02    | S          | TKN-NH3    | P         | 0.5563  | mg/l        | 4/19/2017 13:07:33   |      |
| I2710-03    | S          | TKN-NH3    | P         | 0.47    | mg/l        | 4/19/2017 13:07:34   |      |
| I2710-04    | S          | TKN-NH3    | P         | 0.3427  | mg/l        | 4/19/2017 13:18:05   |      |
| I2710-07    | S          | TKN-NH3    | P         | 0.463   | mg/l        | 4/19/2017 13:18:06   |      |
| CCV2        | S          | TKN-NH3    | P         | 5.2309  | mg/l        | 4/19/2017 13:18:07   |      |
| CCB2        | S          | TKN-NH3    | P         | 0.0799  | mg/l        | 4/19/2017 13:18:08   |      |
| I2710-08    | S          | TKN-NH3    | P         | 0.4845  | mg/l        | 4/19/2017 13:18:09   |      |
| I2710-09    | S          | TKN-NH3    | P         | 0.8876  | mg/l        | 4/19/2017 13:18:10   |      |
| I2710-10    | S          | TKN-NH3    | P         | 0.1781  | mg/l        | 4/19/2017 13:18:11   |      |
| I2710-11    | S          | TKN-NH3    | P         | 0.4524  | mg/l        | 4/19/2017 13:18:12   |      |
| I2710-12    | S          | TKN-NH3    | P         | 0.337   | mg/l        | 4/19/2017 13:18:13   |      |
| I2710-13    | S          | TKN-NH3    | P         | 0.5982  | mg/l        | 4/19/2017 13:18:14   |      |
| I2710-14    | S          | TKN-NH3    | P         | 0.6444  | mg/l        | 4/19/2017 13:18:15   |      |
| CCV3        | S          | TKN-NH3    | P         | 5.2253  | mg/l        | 4/19/2017 13:18:16   |      |
| CCB3        | S          | TKN-NH3    | P         | 0.0814  | mg/l        | 4/19/2017 13:21:21   |      |

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Calibration results

Aquakem 7.2AQ1

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

4/19/2017 12:30

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Test TKN-NH3

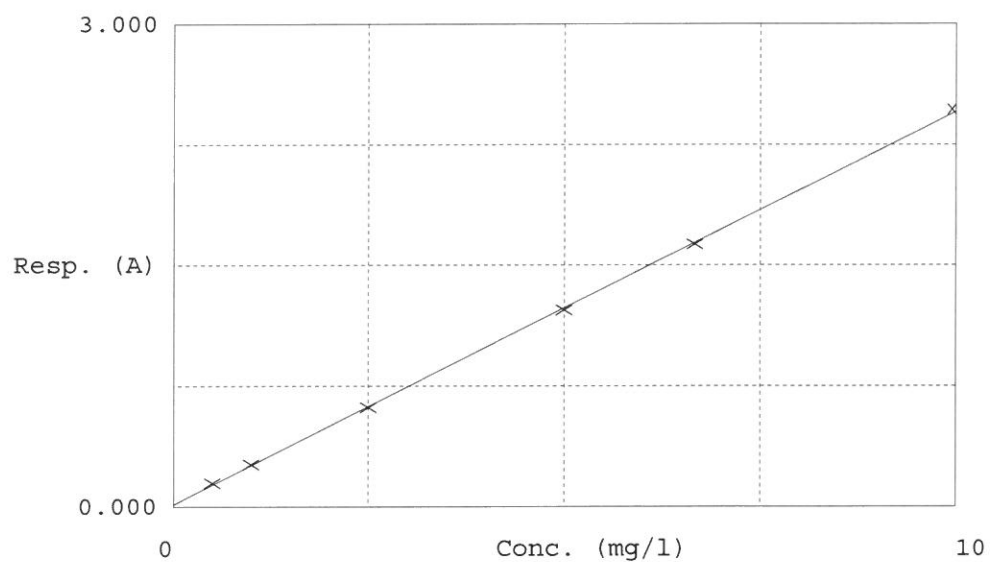
Accepted 4/19/2017 12:30

Factor 4.101

Bias 0.014

Coeff. of det. 0.999821

Errors



|   | Calibrator | Response | Calc. con. | Conc.   | Errors |
|---|------------|----------|------------|---------|--------|
| 1 | TKN-10     | 0.147    | 0.5458     | 0.5000  |        |
| 2 | TKN-10     | 0.264    | 1.0221     | 1.0000  |        |
| 3 | TKN-10     | 0.617    | 2.4718     | 2.5000  |        |
| 4 | TKN-10     | 1.220    | 4.9462     | 5.0000  |        |
| 5 | TKN-10     | 1.629    | 6.6207     | 6.6667  |        |
| 6 | TKN-10     | 2.468    | 10.0601    | 10.0000 |        |