

Test results

Aquakem 7.2AQ1

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

5/15/2018 13:16

Test: TKN-NH3 *mg/d*

| Sample Id     | Result | Dil. 1 + | Response | Errors                    |
|---------------|--------|----------|----------|---------------------------|
| ICV1          | 5.561  | 0.0      | 1.334    |                           |
| ICB1          | 0.166  | 0.0      | 0.053    |                           |
| CCV1          | 5.509  | 0.0      | 1.322    |                           |
| CCB1          | 0.135  | 0.0      | 0.045    |                           |
| PB109242BL    | 0.134  | 0.0      | 0.045    |                           |
| PB109242BS    | 5.570  | 0.0      | 1.336    |                           |
| J2856-01      | 0.756  | 0.0      | 0.193    |                           |
| J2856-02      | 0.580  | 0.0      | 0.151    |                           |
| J2856-03      | 0.291  | 0.0      | 0.082    |                           |
| J2856-03DUP   | 0.301  | 0.0      | 0.085    |                           |
| J2856-04      | 5.022  | 0.0      | 1.206    |                           |
| J2856-05      | 4.913  | 0.0      | 1.180    |                           |
| J2856-06      | 0.712  | 0.0      | 0.182    |                           |
| J2858-01      | 42.262 | 0.0      | 10.053   | Abs. high, Init abs., Tes |
| CCV2          | 5.487  | 0.0      | 1.317    |                           |
| CCB2          | 0.148  | 0.0      | 0.048    |                           |
| J2858-02      | 0.600  | 0.0      | 0.156    |                           |
| J2858-03      | 42.263 | 0.0      | 10.054   | Abs. high, Init abs., Tes |
| J2858-04      | 5.935  | 0.0      | 1.423    |                           |
| J2860-01      | 2.194  | 0.0      | 0.534    |                           |
| J2860-02      | 0.690  | 0.0      | 0.177    |                           |
| J2860-03      | 13.214 | 0.0      | 3.152    | Init abs., Test limit hig |
| J2860-04      | 42.263 | 0.0      | 10.054   | Abs. high, Init abs., Tes |
| J2860-05      | 2.509  | 0.0      | 0.609    |                           |
| CCV3          | 5.740  | 0.0      | 1.377    |                           |
| CCB3          | 0.114  | 0.0      | 0.040    |                           |
| J2858-01DLX10 | 2.301  | 0.0      | 0.560    |                           |
| J2858-03DLX10 | 2.258  | 0.0      | 0.549    |                           |
| J2860-03DLX2  | 7.068  | 0.0      | 1.692    |                           |
| J2860-04DLX10 | 2.730  | 0.0      | 0.662    |                           |
| CCV4          | 5.568  | 0.0      | 1.336    |                           |
| CCB4          | 0.125  | 0.0      | 0.043    |                           |

|      |         |
|------|---------|
| N    | 32      |
| Mean | 6.660   |
| SD   | 12.0028 |
| CV%  | 180.22  |

Aquakem v. 7.2AQ1

Results from time period:

Tue May 15 11:44:48 2018

Tue May 15 13:16:50 2018

| Sample Id     | Sam/Ctr/c | Test short | Test type | Result  | Result unit | Result date and time | Stat |
|---------------|-----------|------------|-----------|---------|-------------|----------------------|------|
| 0.5PPM        | A         | TKN-NH3    | P         | 0.5641  | mg/l        | 5/15/2018 11:44:48   |      |
| 1.0PPM        | A         | TKN-NH3    | P         | 1.0025  | mg/l        | 5/15/2018 11:44:49   |      |
| 2.5PPM        | A         | TKN-NH3    | P         | 2.4333  | mg/l        | 5/15/2018 11:44:50   |      |
| 5.0PPM        | A         | TKN-NH3    | P         | 5.0507  | mg/l        | 5/15/2018 11:44:51   |      |
| 6.7PPM        | A         | TKN-NH3    | P         | 6.5516  | mg/l        | 5/15/2018 11:44:52   |      |
| 10.0PPM       | A         | TKN-NH3    | P         | 10.0646 | mg/l        | 5/15/2018 11:44:53   |      |
| ICV1          | S         | TKN-NH3    | P         | 5.5611  | mg/l        | 5/15/2018 12:27:26   |      |
| ICB1          | S         | TKN-NH3    | P         | 0.1662  | mg/l        | 5/15/2018 12:27:27   |      |
| CCV1          | S         | TKN-NH3    | P         | 5.5094  | mg/l        | 5/15/2018 12:27:28   |      |
| CCB1          | S         | TKN-NH3    | P         | 0.1347  | mg/l        | 5/15/2018 12:27:29   |      |
| PB109242BL    | S         | TKN-NH3    | P         | 0.1338  | mg/l        | 5/15/2018 12:27:30   |      |
| PB109242BS    | S         | TKN-NH3    | P         | 5.5696  | mg/l        | 5/15/2018 12:27:31   |      |
| J2856-01      | S         | TKN-NH3    | P         | 0.7558  | mg/l        | 5/15/2018 12:27:32   |      |
| J2856-02      | S         | TKN-NH3    | P         | 0.5805  | mg/l        | 5/15/2018 12:27:33   |      |
| J2856-03      | S         | TKN-NH3    | P         | 0.2908  | mg/l        | 5/15/2018 12:27:34   |      |
| J2856-03DUP   | S         | TKN-NH3    | P         | 0.3009  | mg/l        | 5/15/2018 12:27:35   |      |
| J2856-04      | S         | TKN-NH3    | P         | 5.0219  | mg/l        | 5/15/2018 12:27:36   |      |
| J2856-05      | S         | TKN-NH3    | P         | 4.913   | mg/l        | 5/15/2018 12:27:37   |      |
| J2856-06      | S         | TKN-NH3    | P         | 0.7125  | mg/l        | 5/15/2018 12:38:08   |      |
| J2858-01      | S         | TKN-NH3    | P         | 42.2624 | mg/l        | 5/15/2018 12:38:09   |      |
| CCV2          | S         | TKN-NH3    | P         | 5.487   | mg/l        | 5/15/2018 12:38:10   |      |
| CCB2          | S         | TKN-NH3    | P         | 0.1479  | mg/l        | 5/15/2018 12:38:11   |      |
| J2858-02      | S         | TKN-NH3    | P         | 0.5999  | mg/l        | 5/15/2018 12:38:12   |      |
| J2858-03      | S         | TKN-NH3    | P         | 42.2628 | mg/l        | 5/15/2018 12:38:13   |      |
| J2858-04      | S         | TKN-NH3    | P         | 5.9354  | mg/l        | 5/15/2018 12:38:14   |      |
| J2860-01      | S         | TKN-NH3    | P         | 2.1944  | mg/l        | 5/15/2018 12:38:15   |      |
| J2860-02      | S         | TKN-NH3    | P         | 0.6899  | mg/l        | 5/15/2018 12:38:16   |      |
| J2860-03      | S         | TKN-NH3    | P         | 13.2136 | mg/l        | 5/15/2018 12:38:17   |      |
| J2860-04      | S         | TKN-NH3    | P         | 42.2632 | mg/l        | 5/15/2018 12:38:18   |      |
| J2860-05      | S         | TKN-NH3    | P         | 2.5087  | mg/l        | 5/15/2018 12:38:19   |      |
| CCV3          | S         | TKN-NH3    | P         | 5.7396  | mg/l        | 5/15/2018 12:43:02   |      |
| CCB3          | S         | TKN-NH3    | P         | 0.1138  | mg/l        | 5/15/2018 12:43:03   |      |
| J2858-01DLX10 | S         | TKN-NH3    | P         | 2.3007  | mg/l        | 5/15/2018 13:16:45   |      |
| J2858-03DLX10 | S         | TKN-NH3    | P         | 2.2576  | mg/l        | 5/15/2018 13:16:46   |      |
| J2860-03DLX2  | S         | TKN-NH3    | P         | 7.0678  | mg/l        | 5/15/2018 13:16:47   |      |
| J2860-04DLX10 | S         | TKN-NH3    | P         | 2.7302  | mg/l        | 5/15/2018 13:16:48   |      |
| CCV4          | S         | TKN-NH3    | P         | 5.568   | mg/l        | 5/15/2018 13:16:49   |      |
| CCB4          | S         | TKN-NH3    | P         | 0.1253  | mg/l        | 5/15/2018 13:16:50   |      |

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

5/15/2018 11:56

Test TKN-NH3

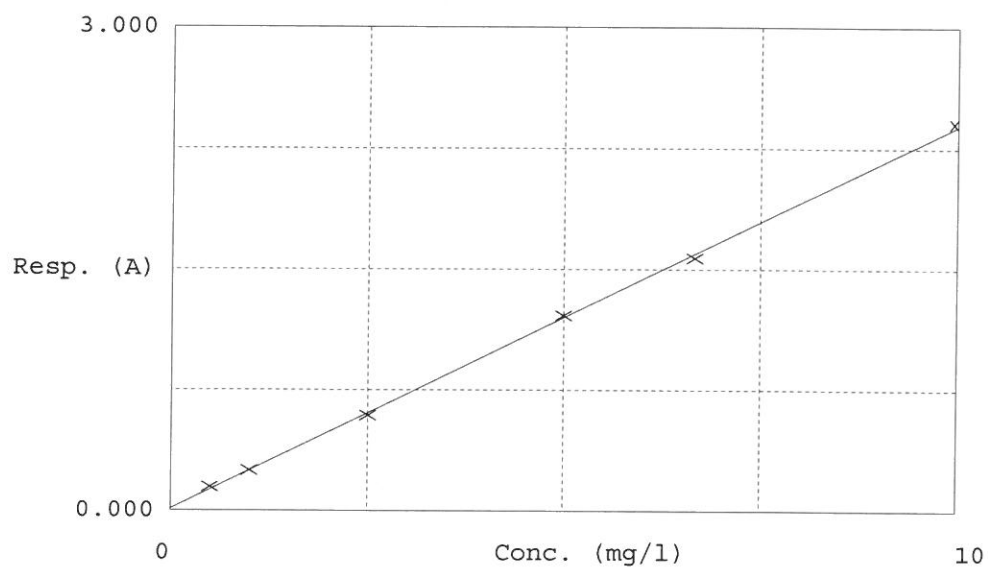
Accepted 5/15/2018 11:55

Factor 4.209

Bias 0.013

Coeff. of det. 0.999575

Errors



|   | Calibrator | Response | Calc. con. | Conc.   | Errors |
|---|------------|----------|------------|---------|--------|
| 1 | TKN-10     | 0.147    | 0.5641     | 0.5000  |        |
| 2 | TKN-10     | 0.251    | 1.0025     | 1.0000  |        |
| 3 | TKN-10     | 0.591    | 2.4333     | 2.5000  |        |
| 4 | TKN-10     | 1.213    | 5.0507     | 5.0000  |        |
| 5 | TKN-10     | 1.570    | 6.5516     | 6.6667  |        |
| 6 | TKN-10     | 2.404    | 10.0646    | 10.0000 |        |