

CB8849C

Test results

Aquakem 7.2AQ1

Page: 1

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

7/21/2017 18:08

Test: TKN-NH3

| Sample Id        | Result | Dil. 1 + | Response | Errors                    |
|------------------|--------|----------|----------|---------------------------|
| ICV1             | 4.749  | 0.0      | 1.142    |                           |
| ICB1             | 0.136  | 0.0      | 0.066    |                           |
| CCV1             | 4.676  | 0.0      | 1.125    |                           |
| CCB1             | 0.139  | 0.0      | 0.067    |                           |
| PB100728BL       | 0.147  | 0.0      | 0.069    |                           |
| PB100728S        | 4.777  | 0.0      | 1.148    |                           |
| I4234-01         | 42.959 | 0.0      | 10.054   | Abs. high, Init abs., Tes |
| I4234-01DUP      | 42.959 | 0.0      | 10.054   | Abs. high, Init abs., Tes |
| I4234-01MS       | 42.961 | 0.0      | 10.054   | Abs. high, Init abs., Tes |
| I4234-01MSD      | 42.961 | 0.0      | 10.054   | Abs. high, Init abs., Tes |
| I4234-02         | 42.961 | 0.0      | 10.054   | Abs. high, Init abs., Tes |
| I4234-04         | 42.962 | 0.0      | 10.054   | Abs. high, Init abs., Tes |
| I4274-01         | 42.959 | 0.0      | 10.054   | Abs. high, Init abs., Tes |
| I4274-03         | 42.962 | 0.0      | 10.055   | Abs. high, Init abs., Tes |
| CCV2             | 4.861  | 0.0      | 1.168    |                           |
| CCB2             | 0.137  | 0.0      | 0.066    |                           |
| I4274-04         | 42.961 | 0.0      | 10.054   | Abs. high, Init abs., Tes |
| I4274-06         | 42.962 | 0.0      | 10.055   | Abs. high, Init abs., Tes |
| CCV3             | 4.729  | 0.0      | 1.137    |                           |
| CCB3             | 0.133  | 0.0      | 0.065    |                           |
| I4234-01DLX20    | 1.888  | 0.0      | 0.475    |                           |
| I4234-01DUPDLX20 | 1.906  | 0.0      | 0.479    |                           |
| I4234-01MSDLX20  | 1.972  | 0.0      | 0.494    |                           |
| I4234-01MSDDLX20 | 1.897  | 0.0      | 0.477    |                           |
| I4234-02DLX20    | 1.242  | 0.0      | 0.324    |                           |
| I4234-04DLX20    | 1.201  | 0.0      | 0.314    |                           |
| I4274-01DLX20    | 1.593  | 0.0      | 0.406    |                           |
| I4274-03DLX20    | 1.385  | 0.0      | 0.357    |                           |
| I4274-04DLX20    | 1.372  | 0.0      | 0.354    |                           |
| I4274-06DLX20    | 1.434  | 0.0      | 0.369    |                           |
| CCV4             | 4.612  | 0.0      | 1.110    |                           |
| CCB4             | 0.118  | 0.0      | 0.062    |                           |

N 32  
 Mean 14.835  
 SD 19.3230  
 CV% 130.25

Aquakem v. 7.2AQ1

Results from time period:

Fri Jul 21 16:21:38 2017

Fri Jul 21 18:08:06 2017

| Sample Id      | Sam/Ctr/c/ | Test short | Test type | Result  | Result unit | Result date and time | Stat |
|----------------|------------|------------|-----------|---------|-------------|----------------------|------|
| 0.5PPM         | A          | TKN-NH3    | P         | 0.5266  | mg/l        | 7/21/2017 16:21:38   |      |
| 1.0PPM         | A          | TKN-NH3    | P         | 1.0133  | mg/l        | 7/21/2017 16:21:39   |      |
| 2.5PPM         | A          | TKN-NH3    | P         | 2.5252  | mg/l        | 7/21/2017 16:21:40   |      |
| 5.0PPM         | A          | TKN-NH3    | P         | 4.8848  | mg/l        | 7/21/2017 16:21:41   |      |
| 6.7PPM         | A          | TKN-NH3    | P         | 6.6708  | mg/l        | 7/21/2017 16:21:42   |      |
| 10.0PPM        | A          | TKN-NH3    | P         | 10.0458 | mg/l        | 7/21/2017 16:21:43   |      |
| ICV1           | S          | TKN-NH3    | P         | 4.7492  | mg/l        | 7/21/2017 17:19:02   |      |
| ICB1           | S          | TKN-NH3    | P         | 0.1357  | mg/l        | 7/21/2017 17:19:03   |      |
| CCV1           | S          | TKN-NH3    | P         | 4.6761  | mg/l        | 7/21/2017 17:19:04   |      |
| CCB1           | S          | TKN-NH3    | P         | 0.1393  | mg/l        | 7/21/2017 17:19:05   |      |
| PB100728BL     | S          | TKN-NH3    | P         | 0.1471  | mg/l        | 7/21/2017 17:19:06   |      |
| PB100728S      | S          | TKN-NH3    | P         | 4.7773  | mg/l        | 7/21/2017 17:19:07   |      |
| I4234-01       | S          | TKN-NH3    | P         | 42.9592 | mg/l        | 7/21/2017 17:19:08   |      |
| I4234-01DUP    | S          | TKN-NH3    | P         | 42.959  | mg/l        | 7/21/2017 17:19:09   |      |
| I4234-01MS     | S          | TKN-NH3    | P         | 42.961  | mg/l        | 7/21/2017 17:19:10   |      |
| I4234-01MSD    | S          | TKN-NH3    | P         | 42.9613 | mg/l        | 7/21/2017 17:19:11   |      |
| I4234-02       | S          | TKN-NH3    | P         | 42.9613 | mg/l        | 7/21/2017 17:19:12   |      |
| I4234-04       | S          | TKN-NH3    | P         | 42.9615 | mg/l        | 7/21/2017 17:19:13   |      |
| I4274-01       | S          | TKN-NH3    | P         | 42.9585 | mg/l        | 7/21/2017 17:27:26   |      |
| I4274-03       | S          | TKN-NH3    | P         | 42.9621 | mg/l        | 7/21/2017 17:27:27   |      |
| CCV2           | S          | TKN-NH3    | P         | 4.861   | mg/l        | 7/21/2017 17:27:28   |      |
| CCB2           | S          | TKN-NH3    | P         | 0.1368  | mg/l        | 7/21/2017 17:27:29   |      |
| I4274-04       | S          | TKN-NH3    | P         | 42.9614 | mg/l        | 7/21/2017 17:27:30   |      |
| I4274-06       | S          | TKN-NH3    | P         | 42.9623 | mg/l        | 7/21/2017 17:27:31   |      |
| CCV3           | S          | TKN-NH3    | P         | 4.7287  | mg/l        | 7/21/2017 17:27:32   |      |
| CCB3           | S          | TKN-NH3    | P         | 0.1331  | mg/l        | 7/21/2017 17:27:33   |      |
| I4234-01DLX20  | S          | TKN-NH3    | P         | 1.8884  | mg/l        | 7/21/2017 18:07:55   |      |
| I4234-01DUPDLX | S          | TKN-NH3    | P         | 1.9061  | mg/l        | 7/21/2017 18:07:56   |      |
| I4234-01MSDLX  | S          | TKN-NH3    | P         | 1.9724  | mg/l        | 7/21/2017 18:07:57   |      |
| I4234-01MSDDLX | S          | TKN-NH3    | P         | 1.8971  | mg/l        | 7/21/2017 18:07:58   |      |
| I4234-02DLX20  | S          | TKN-NH3    | P         | 1.2416  | mg/l        | 7/21/2017 18:07:59   |      |
| I4234-04DLX20  | S          | TKN-NH3    | P         | 1.2014  | mg/l        | 7/21/2017 18:08:00   |      |
| I4274-01DLX20  | S          | TKN-NH3    | P         | 1.593   | mg/l        | 7/21/2017 18:08:01   |      |
| I4274-03DLX20  | S          | TKN-NH3    | P         | 1.3849  | mg/l        | 7/21/2017 18:08:02   |      |
| I4274-04DLX20  | S          | TKN-NH3    | P         | 1.3721  | mg/l        | 7/21/2017 18:08:03   |      |
| I4274-06DLX20  | S          | TKN-NH3    | P         | 1.4342  | mg/l        | 7/21/2017 18:08:04   |      |
| CCV4           | S          | TKN-NH3    | P         | 4.6117  | mg/l        | 7/21/2017 18:08:05   |      |
| CCB4           | S          | TKN-NH3    | P         | 0.118   | mg/l        | 7/21/2017 18:08:06   |      |

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

7/21/2017 16:22

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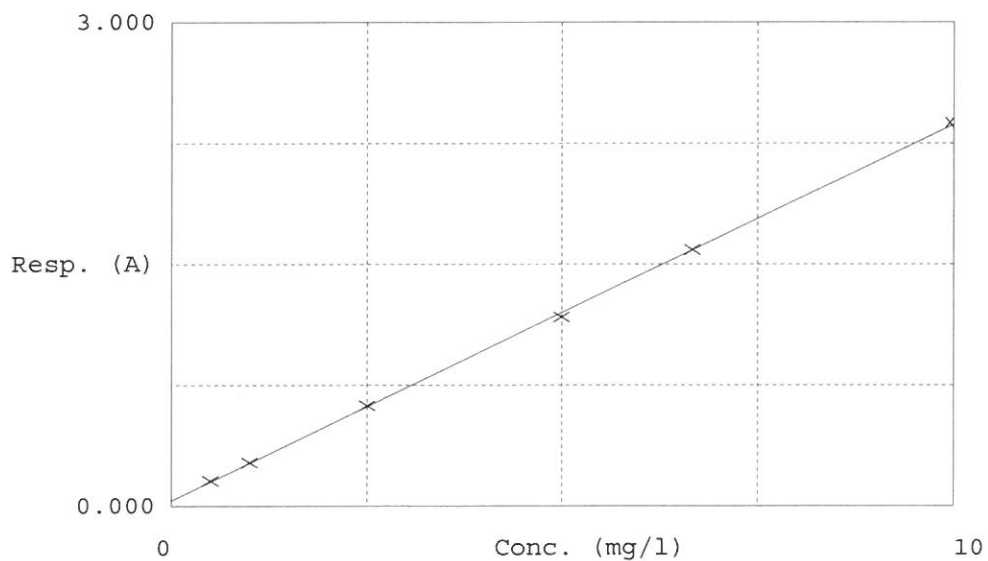
Test     TKN-NH3

Accepted                      7/21/2017    16:22

Factor                      4.287  
 Bias                        0.034

Coeff. of det.            0.999748

Errors



|       | Calibrator | Response | Calc. con. | Conc.   | Errors |
|-------|------------|----------|------------|---------|--------|
| ----- |            |          |            |         |        |
| 1     | TKN-10     | 0.157    | 0.5266     | 0.5000  |        |
| 2     | TKN-10     | 0.271    | 1.0133     | 1.0000  |        |
| 3     | TKN-10     | 0.623    | 2.5252     | 2.5000  |        |
| 4     | TKN-10     | 1.174    | 4.8848     | 5.0000  |        |
| 5     | TKN-10     | 1.590    | 6.6708     | 6.6667  |        |
| 6     | TKN-10     | 2.377    | 10.0458    | 10.0000 |        |