

21399691

Test results

Aquakem 7.2AQ1

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

12/10/2018 9:45

Test: Ammonia-N

| Sample Id        | Result <sup>mg/l</sup> | Dil. 1 + | Response | Errors                    |
|------------------|------------------------|----------|----------|---------------------------|
| ICV1             | 1.038                  | 0.0      | 0.201    |                           |
| ICB1             | 0.006                  | 0.0      | 0.029    |                           |
| CCV1             | 0.957                  | 0.0      | 0.188    |                           |
| CCB1             | 0.014                  | 0.0      | 0.031    |                           |
| PB115461BL       | 0.007                  | 0.0      | 0.030    |                           |
| PB115461BS       | 1.050                  | 0.0      | 0.203    |                           |
| J6218-01         | 20.424                 | 0.0      | 3.424    | Init abs., Test limit hig |
| J6218-01DUP      | 21.710                 | 0.0      | 3.638    | Init abs., Test limit hig |
| J6218-01MS       | 21.616                 | 0.0      | 3.622    | Init abs., Test limit hig |
| J6218-01MSD      | 22.162                 | 0.0      | 3.713    | Init abs., Test limit hig |
| J6218-02         | 12.970                 | 0.0      | 2.185    | Test limit high           |
| J6218-03         | 0.490                  | 0.0      | 0.110    |                           |
| J6218-04         | 7.120                  | 0.0      | 1.212    | Test limit high           |
| J6218-05         | 27.245                 | 0.0      | 4.558    | Init abs., Test limit hig |
| CCV2             | 0.966                  | 0.0      | 0.189    |                           |
| CCB2             | 0.015                  | 0.0      | 0.031    |                           |
| J6235-01         | 13.325                 | 0.0      | 2.244    | Test limit high           |
| J6235-02         | 28.457                 | 0.0      | 4.760    | Init abs., Test limit hig |
| J6235-03         | 0.195                  | 0.0      | 0.061    |                           |
| J6235-04         | 2.814                  | 0.0      | 0.496    | Test limit high           |
| J6235-05         | 0.322                  | 0.0      | 0.082    |                           |
| J6235-06         | 0.267                  | 0.0      | 0.073    |                           |
| J6249-04         | 0.099                  | 0.0      | 0.045    |                           |
| CCV3             | 0.977                  | 0.0      | 0.191    |                           |
| CCB3             | 0.007                  | 0.0      | 0.030    |                           |
| J6218-01DLX20    | 0.984                  | 0.0      | 0.192    |                           |
| J6218-01DUPDLX20 | 0.993                  | 0.0      | 0.193    |                           |
| J6218-01MSDLX20  | 0.946                  | 0.0      | 0.186    |                           |
| J6218-01MSDDLX20 | 1.020                  | 0.0      | 0.198    |                           |
| J6218-02DLX10    | 1.179                  | 0.0      | 0.225    |                           |
| J6218-04DLX5     | 1.334                  | 0.0      | 0.250    |                           |
| J6235-01DLX10    | 1.241                  | 0.0      | 0.235    |                           |
| J6235-02DLX20    | 1.288                  | 0.0      | 0.243    |                           |
| J6235-04DLX2     | 1.391                  | 0.0      | 0.260    |                           |
| CCV4             | 0.972                  | 0.0      | 0.190    |                           |
| CCB4             | 0.015                  | 0.0      | 0.031    |                           |
| J6218-05DLX20    | 1.274                  | 0.0      | 0.240    |                           |
| CCV5             | 1.016                  | 0.0      | 0.197    |                           |
| CCB5             | 0.005                  | 0.0      | 0.029    |                           |

N 39  
Mean 5.075  
SD 8.6149  
CV% 169.76

CHEMTECH  
284 Sheffield Street,  
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Reviewed by : AK

12/10/2018 7:48

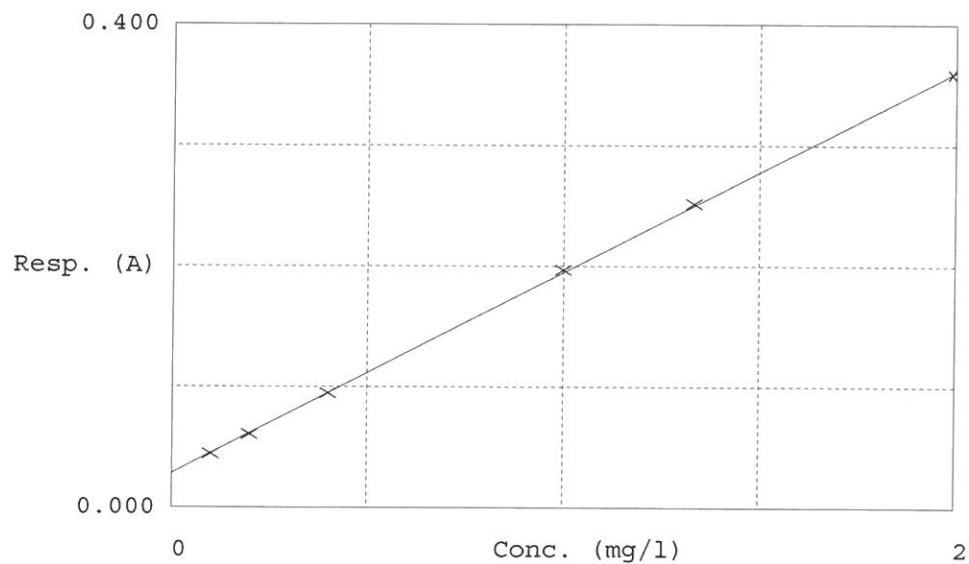
Test Ammonia-N

Accepted 12/10/2018 7:48

Factor 6.015  
Bias 0.028

Coeff. of det. 0.999839

Errors



|   | Calibrator | Response | Calc. con. | Conc.  | Errors |
|---|------------|----------|------------|--------|--------|
| 1 | NH3-2PPM   | 0.045    | 0.0968     | 0.1000 |        |
| 2 | NH3-2PPM   | 0.061    | 0.1940     | 0.2000 |        |
| 3 | NH3-2PPM   | 0.095    | 0.3985     | 0.4000 |        |
| 4 | NH3-2PPM   | 0.197    | 1.0132     | 1.0000 |        |
| 5 | NH3-2PPM   | 0.252    | 1.3426     | 1.3333 |        |
| 6 | NH3-2PPM   | 0.359    | 1.9883     | 2.0000 |        |

Aquakem v. 7.2AQ1

Results from time period:

Mon Dec 10 07:47:52 2018

Mon Dec 10 09:42:02 2018

| Sample Id        | Sam/Ctr/c/ | Test short nam | Test type | Result  | Result unit | Result date and time |
|------------------|------------|----------------|-----------|---------|-------------|----------------------|
| 0.1PPM           | A          | Ammonia-N      | P         | 0.0968  | mg/l        | 12/10/2018 7:47:52   |
| 0.2PPM           | A          | Ammonia-N      | P         | 0.194   | mg/l        | 12/10/2018 7:47:53   |
| 0.4PPM           | A          | Ammonia-N      | P         | 0.3985  | mg/l        | 12/10/2018 7:47:54   |
| 1.0PPM           | A          | Ammonia-N      | P         | 1.0132  | mg/l        | 12/10/2018 7:47:55   |
| 1.3PPM           | A          | Ammonia-N      | P         | 1.3426  | mg/l        | 12/10/2018 7:47:56   |
| 2.0PPM           | A          | Ammonia-N      | P         | 1.9883  | mg/l        | 12/10/2018 7:47:57   |
| ICV1             | S          | Ammonia-N      | P         | 1.038   | mg/l        | 12/10/2018 8:16:59   |
| ICB1             | S          | Ammonia-N      | P         | 0.0063  | mg/l        | 12/10/2018 8:17:01   |
| CCV1             | S          | Ammonia-N      | P         | 0.957   | mg/l        | 12/10/2018 8:17:02   |
| CCB1             | S          | Ammonia-N      | P         | 0.0144  | mg/l        | 12/10/2018 8:17:04   |
| PB115461BL       | S          | Ammonia-N      | P         | 0.0067  | mg/l        | 12/10/2018 8:17:06   |
| PB115461BS       | S          | Ammonia-N      | P         | 1.0495  | mg/l        | 12/10/2018 8:17:07   |
| J6218-01         | S          | Ammonia-N      | P         | 20.4238 | mg/l        | 12/10/2018 8:17:08   |
| J6218-01DUP      | S          | Ammonia-N      | P         | 21.7096 | mg/l        | 12/10/2018 8:17:09   |
| J6218-01MS       | S          | Ammonia-N      | P         | 21.6161 | mg/l        | 12/10/2018 8:27:40   |
| J6218-01MSD      | S          | Ammonia-N      | P         | 22.1622 | mg/l        | 12/10/2018 8:27:41   |
| J6218-02         | S          | Ammonia-N      | P         | 12.9695 | mg/l        | 12/10/2018 8:27:42   |
| J6218-03         | S          | Ammonia-N      | P         | 0.4898  | mg/l        | 12/10/2018 8:27:43   |
| J6218-04         | S          | Ammonia-N      | P         | 7.1202  | mg/l        | 12/10/2018 8:27:44   |
| J6218-05         | S          | Ammonia-N      | P         | 27.245  | mg/l        | 12/10/2018 8:27:45   |
| CCV2             | S          | Ammonia-N      | P         | 0.9663  | mg/l        | 12/10/2018 8:27:46   |
| CCB2             | S          | Ammonia-N      | P         | 0.0153  | mg/l        | 12/10/2018 8:27:47   |
| J6235-01         | S          | Ammonia-N      | P         | 13.3252 | mg/l        | 12/10/2018 8:27:48   |
| J6235-02         | S          | Ammonia-N      | P         | 28.4571 | mg/l        | 12/10/2018 8:27:49   |
| J6235-03         | S          | Ammonia-N      | P         | 0.195   | mg/l        | 12/10/2018 8:27:50   |
| J6235-04         | S          | Ammonia-N      | P         | 2.8142  | mg/l        | 12/10/2018 8:27:51   |
| J6235-05         | S          | Ammonia-N      | P         | 0.3216  | mg/l        | 12/10/2018 8:36:04   |
| J6235-06         | S          | Ammonia-N      | P         | 0.2672  | mg/l        | 12/10/2018 8:36:05   |
| J6249-04         | S          | Ammonia-N      | P         | 0.0991  | mg/l        | 12/10/2018 8:36:06   |
| CCV3             | S          | Ammonia-N      | P         | 0.9768  | mg/l        | 12/10/2018 8:36:09   |
| CCB3             | S          | Ammonia-N      | P         | 0.0068  | mg/l        | 12/10/2018 8:36:10   |
| J6218-01DLX20    | S          | Ammonia-N      | P         | 0.9838  | mg/l        | 12/10/2018 9:17:01   |
| J6218-01DUPDLX20 | S          | Ammonia-N      | P         | 0.9925  | mg/l        | 12/10/2018 9:17:02   |
| J6218-01MSDLX20  | S          | Ammonia-N      | P         | 0.9459  | mg/l        | 12/10/2018 9:17:03   |
| J6218-01MSDDLX20 | S          | Ammonia-N      | P         | 1.0195  | mg/l        | 12/10/2018 9:17:04   |
| J6218-02DLX10    | S          | Ammonia-N      | P         | 1.1793  | mg/l        | 12/10/2018 9:17:05   |
| J6218-04DLX5     | S          | Ammonia-N      | P         | 1.3345  | mg/l        | 12/10/2018 9:17:06   |
| J6235-01DLX10    | S          | Ammonia-N      | P         | 1.2414  | mg/l        | 12/10/2018 9:17:08   |
| J6235-02DLX20    | S          | Ammonia-N      | P         | 1.2882  | mg/l        | 12/10/2018 9:17:09   |
| J6235-04DLX2     | S          | Ammonia-N      | P         | 1.391   | mg/l        | 12/10/2018 9:17:10   |
| CCV4             | S          | Ammonia-N      | P         | 0.9719  | mg/l        | 12/10/2018 9:17:11   |
| CCB4             | S          | Ammonia-N      | P         | 0.0146  | mg/l        | 12/10/2018 9:17:12   |

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|               |   |           |   |             |                    |
|---------------|---|-----------|---|-------------|--------------------|
| J6218-05DLX20 | S | Ammonia-N | P | 1.2741 mg/l | 12/10/2018 9:42:00 |
| CCV5          | S | Ammonia-N | P | 1.0164 mg/l | 12/10/2018 9:42:01 |
| CCB5          | S | Ammonia-N | P | 0.0054 mg/l | 12/10/2018 9:42:02 |