

LB89200

Test results

Aquakem 7.2AQ1

Page: 1

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

8/2/2017 15:35

Test: Total CN

| Sample Id    | Result  | Dil. 1 + | Response | Errors |
|--------------|---------|----------|----------|--------|
| ICV1         | 95.274  | 0.0      | 0.102    |        |
| ICB1         | 0.977   | 0.0      | 0.004    |        |
| CCV1         | 242.433 | 0.0      | 0.255    |        |
| CCB1         | 1.213   | 0.0      | 0.005    |        |
| PB101185BL   | 1.285   | 0.0      | 0.005    |        |
| PB101185BS   | 96.144  | 0.0      | 0.103    |        |
| LOWPB101185  | 10.894  | 0.0      | 0.015    |        |
| HIGHPB101185 | 488.646 | 0.0      | 0.511    |        |
| I4546-01     | 1.409   | 0.0      | 0.005    |        |
| I4546-01DUP  | 0.810   | 0.0      | 0.004    |        |
| I4546-01MS   | 34.415  | 0.0      | 0.039    |        |
| I4546-01MSD  | 33.708  | 0.0      | 0.038    |        |
| I4558-02     | 1.028   | 0.0      | 0.004    |        |
| I4558-04     | 2.385   | 0.0      | 0.006    |        |
| CCV2         | 240.241 | 0.0      | 0.253    |        |
| CCB2         | 2.547   | 0.0      | 0.006    |        |
| I4559-01     | 1.080   | 0.0      | 0.004    |        |
| I4559-03     | 1.038   | 0.0      | 0.004    |        |
| I4560-02     | 1.659   | 0.0      | 0.005    |        |
| I4560-04     | 1.830   | 0.0      | 0.005    |        |
| I4562-01     | 2.272   | 0.0      | 0.006    |        |
| I4562-04     | 1.323   | 0.0      | 0.005    |        |
| I4562-07     | 1.789   | 0.0      | 0.005    |        |
| I4562-10     | 2.272   | 0.0      | 0.006    |        |
| I4562-13     | 3.261   | 0.0      | 0.007    |        |
| I4562-16     | 2.773   | 0.0      | 0.006    |        |
| CCV3         | 241.462 | 0.0      | 0.254    |        |
| CCB3         | 1.238   | 0.0      | 0.005    |        |
| I4562-19     | 1.503   | 0.0      | 0.005    |        |
| I4562-22     | 1.889   | 0.0      | 0.005    |        |
| CCV4         | 243.407 | 0.0      | 0.256    |        |
| CCB4         | 1.701   | 0.0      | 0.005    |        |

|      |          |
|------|----------|
| N    | 32       |
| Mean | 55.122   |
| SD   | 113.0825 |
| CV%  | 205.15   |

LB89200

ATK

Aquakem v. 7.2AQ1

Results from time period:

Wed Aug 02 15:14:10 2017

Wed Aug 02 15:32:05 2017

| Sample Id    | Sam/Ctr/c/ | Test short | Test type | Result   | Result unit | Result date and time | Stat |
|--------------|------------|------------|-----------|----------|-------------|----------------------|------|
| 0.OPPBCN     | A          | Total CN   | P         | 0.355    | µg/l        | 8/2/2017 10:33:11    |      |
| 5.OPPBCN     | A          | Total CN   | P         | 5.257    | µg/l        | 8/2/2017 10:33:12    |      |
| 10PPBCN      | A          | Total CN   | P         | 10.6208  | µg/l        | 8/2/2017 10:33:13    |      |
| 50PPBCN      | A          | Total CN   | P         | 49.1472  | µg/l        | 8/2/2017 10:33:14    |      |
| 100PPBCN     | A          | Total CN   | P         | 98.7146  | µg/l        | 8/2/2017 10:33:15    |      |
| 250PPBCN     | A          | Total CN   | P         | 251.156  | µg/l        | 8/2/2017 10:33:16    |      |
| 500PPBCN     | A          | Total CN   | P         | 499.7494 | µg/l        | 8/2/2017 10:33:17    |      |
| ICV1         | S          | Total CN   | P         | 95.2735  | µg/l        | 8/2/2017 15:14:10    |      |
| ICB1         | S          | Total CN   | P         | 0.9774   | µg/l        | 8/2/2017 15:14:11    |      |
| CCV1         | S          | Total CN   | P         | 242.433  | µg/l        | 8/2/2017 15:14:12    |      |
| CCB1         | S          | Total CN   | P         | 1.2131   | µg/l        | 8/2/2017 15:14:13    |      |
| PB101185BL   | S          | Total CN   | P         | 1.2853   | µg/l        | 8/2/2017 15:14:14    |      |
| PB101185BS   | S          | Total CN   | P         | 96.1437  | µg/l        | 8/2/2017 15:14:15    |      |
| LOWPB101185  | S          | Total CN   | P         | 10.8939  | µg/l        | 8/2/2017 15:14:16    |      |
| HIGHPB101185 | S          | Total CN   | P         | 488.6456 | µg/l        | 8/2/2017 15:14:17    |      |
| I4546-01     | S          | Total CN   | P         | 1.4085   | µg/l        | 8/2/2017 15:14:18    |      |
| I4546-01DUP  | S          | Total CN   | P         | 0.8099   | µg/l        | 8/2/2017 15:14:19    |      |
| I4546-01MS   | S          | Total CN   | P         | 34.4154  | µg/l        | 8/2/2017 15:14:20    |      |
| I4546-01MSD  | S          | Total CN   | P         | 33.7083  | µg/l        | 8/2/2017 15:21:42    |      |
| I4558-02     | S          | Total CN   | P         | 1.0281   | µg/l        | 8/2/2017 15:21:43    |      |
| I4558-04     | S          | Total CN   | P         | 2.3845   | µg/l        | 8/2/2017 15:21:44    |      |
| CCV2         | S          | Total CN   | P         | 240.2407 | µg/l        | 8/2/2017 15:21:45    |      |
| CCB2         | S          | Total CN   | P         | 2.5467   | µg/l        | 8/2/2017 15:21:46    |      |
| I4559-01     | S          | Total CN   | P         | 1.08     | µg/l        | 8/2/2017 15:21:47    |      |
| I4559-03     | S          | Total CN   | P         | 1.0377   | µg/l        | 8/2/2017 15:21:48    |      |
| I4560-02     | S          | Total CN   | P         | 1.6594   | µg/l        | 8/2/2017 15:21:49    |      |
| I4560-04     | S          | Total CN   | P         | 1.8295   | µg/l        | 8/2/2017 15:21:50    |      |
| I4562-01     | S          | Total CN   | P         | 2.2719   | µg/l        | 8/2/2017 15:21:51    |      |
| I4562-04     | S          | Total CN   | P         | 1.3229   | µg/l        | 8/2/2017 15:21:52    |      |
| I4562-07     | S          | Total CN   | P         | 1.7891   | µg/l        | 8/2/2017 15:29:17    |      |
| I4562-10     | S          | Total CN   | P         | 2.2722   | µg/l        | 8/2/2017 15:29:18    |      |
| I4562-13     | S          | Total CN   | P         | 3.2609   | µg/l        | 8/2/2017 15:29:19    |      |
| I4562-16     | S          | Total CN   | P         | 2.7729   | µg/l        | 8/2/2017 15:29:20    |      |
| CCV3         | S          | Total CN   | P         | 241.4618 | µg/l        | 8/2/2017 15:29:21    |      |
| CCB3         | S          | Total CN   | P         | 1.238    | µg/l        | 8/2/2017 15:29:22    |      |
| I4562-19     | S          | Total CN   | P         | 1.5027   | µg/l        | 8/2/2017 15:29:23    |      |
| I4562-22     | S          | Total CN   | P         | 1.8895   | µg/l        | 8/2/2017 15:29:24    |      |
| CCV4         | S          | Total CN   | P         | 243.407  | µg/l        | 8/2/2017 15:29:25    |      |
| CCB4         | S          | Total CN   | P         | 1.7005   | µg/l        | 8/2/2017 15:29:26    |      |

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

8/2/2017 10:36

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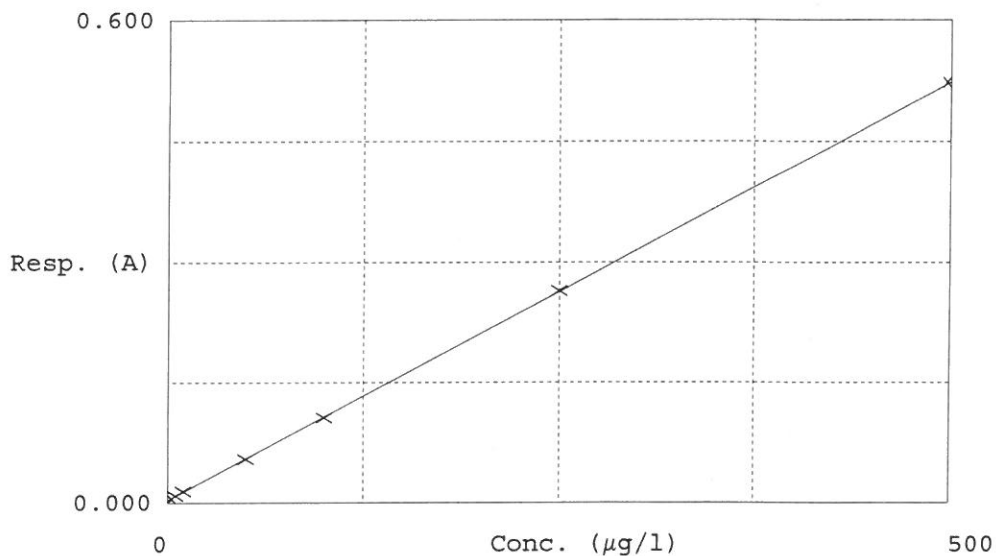
Test      Total CN

Accepted                      8/2/2017      10:36

Factor                      961.8  
 Bias                      0.003

Coeff. of det.              0.999979

Errors



|       | Calibrator | Response | Calc. con. | Conc.    | Errors |
|-------|------------|----------|------------|----------|--------|
| ----- |            |          |            |          |        |
| 1     | 0.0PPBCN   | 0.004    | 0.3550     | 0.0000   |        |
| 2     | 5.0PPBCN   | 0.009    | 5.2570     | 5.0000   |        |
| 3     | 10PPBCN    | 0.014    | 10.6208    | 10.0000  |        |
| 4     | 50PPBCN    | 0.054    | 49.1472    | 50.0000  |        |
| 5     | 100PPBCN   | 0.106    | 98.7146    | 100.0000 |        |
| 6     | 250PPBCN   | 0.264    | 251.1560   | 250.0000 |        |
| 7     | 500PPBCN   | 0.523    | 499.7494   | 500.0000 |        |