

## QUALITY ASSURANCE / QUALITY CONTROL DATA



Preparation Batch ID: 021317ANO23  
Method Batch ID: M021317ANO23

Analysis Method: EPA 353.2 (Nitrate-Nitrite (N))

Preparation Type: Gen Prep

Preparation Date: 2/13/2017 10:24:00 AM

| Analyte | MDL | PQL | Result | Qual | Units | Spike Amount | % REC | % REC Low Limit | - | % REC High Limit | %RPD | % RPD Limit |
|---------|-----|-----|--------|------|-------|--------------|-------|-----------------|---|------------------|------|-------------|
|---------|-----|-----|--------|------|-------|--------------|-------|-----------------|---|------------------|------|-------------|

|                     |                               |                             |                                      |      |  |  |  |  |  |  |   |    |
|---------------------|-------------------------------|-----------------------------|--------------------------------------|------|--|--|--|--|--|--|---|----|
| QA/QC Type: DUP     | Lab Sample ID: 021317ANO23DUP | Client Sample ID: 208979DUP | Date Analyzed: 2/13/2017 10:30:00 AM |      |  |  |  |  |  |  |   |    |
| Nitrate-Nitrite (N) | 0.042                         | 0.050                       | 1.4                                  | mg/L |  |  |  |  |  |  | 0 | 20 |
| Nitrate (N)         | 0.042                         | 0.050                       | 1.4                                  | mg/L |  |  |  |  |  |  |   | 20 |

### Comments:

Preparation Batch ID: 021417ANH3  
Method Batch ID: M021417ANH3

Analysis Method: EPA 350.1

Preparation Type: Distillation

Preparation Date:

| Analyte | MDL | PQL | Result | Qual | Units | Spike Amount | % REC | % REC Low Limit | - | % REC High Limit | %RPD | % RPD Limit |
|---------|-----|-----|--------|------|-------|--------------|-------|-----------------|---|------------------|------|-------------|
|---------|-----|-----|--------|------|-------|--------------|-------|-----------------|---|------------------|------|-------------|

|                |                             |                                |                                      |   |      |  |  |  |  |  |  |  |
|----------------|-----------------------------|--------------------------------|--------------------------------------|---|------|--|--|--|--|--|--|--|
| QA/QC Type: MB | Lab Sample ID: 021417ANH3MB | Client Sample ID: 021417ANH3MB | Date Analyzed: 2/14/2017 10:02:00 AM |   |      |  |  |  |  |  |  |  |
| Ammonia (N)    | 0.18                        | 0.30                           | 0.18                                 | U | mg/L |  |  |  |  |  |  |  |

|                 |                              |                                 |                                     |  |      |      |     |    |   |     |  |  |
|-----------------|------------------------------|---------------------------------|-------------------------------------|--|------|------|-----|----|---|-----|--|--|
| QA/QC Type: LCS | Lab Sample ID: 021417ANH3LCS | Client Sample ID: 021417ANH3LCS | Date Analyzed: 2/14/2017 9:55:00 AM |  |      |      |     |    |   |     |  |  |
| Ammonia (N)     | 0.18                         | 0.30                            | 3.43                                |  | mg/L | 3.30 | 104 | 90 | - | 110 |  |  |

|                  |                               |                                  |                                     |  |      |      |     |    |   |     |      |    |
|------------------|-------------------------------|----------------------------------|-------------------------------------|--|------|------|-----|----|---|-----|------|----|
| QA/QC Type: LCSD | Lab Sample ID: 021417ANH3LCSD | Client Sample ID: 021417ANH3LCSD | Date Analyzed: 2/14/2017 9:56:00 AM |  |      |      |     |    |   |     |      |    |
| Ammonia (N)      | 0.18                          | 0.30                             | 3.45                                |  | mg/L | 3.30 | 105 | 90 | - | 110 | 0.58 | 20 |

|                |                             |                            |                                      |  |      |      |     |    |   |     |  |  |
|----------------|-----------------------------|----------------------------|--------------------------------------|--|------|------|-----|----|---|-----|--|--|
| QA/QC Type: MS | Lab Sample ID: 021417ANH3MS | Client Sample ID: 208712MS | Date Analyzed: 2/14/2017 10:11:00 AM |  |      |      |     |    |   |     |  |  |
| Ammonia (N)    | 0.18                        | 0.30                       | 1.25                                 |  | mg/L | 1.00 | 106 | 90 | - | 110 |  |  |

|                 |                              |                             |                                      |  |      |      |     |    |   |     |   |    |
|-----------------|------------------------------|-----------------------------|--------------------------------------|--|------|------|-----|----|---|-----|---|----|
| QA/QC Type: MSD | Lab Sample ID: 021417ANH3MSD | Client Sample ID: 208712MSD | Date Analyzed: 2/14/2017 10:13:00 AM |  |      |      |     |    |   |     |   |    |
| Ammonia (N)     | 0.18                         | 0.30                        | 1.25                                 |  | mg/L | 1.00 | 106 | 90 | - | 110 | 0 | 20 |

|                 |                              |                             |                                      |     |      |  |  |  |  |  |    |    |
|-----------------|------------------------------|-----------------------------|--------------------------------------|-----|------|--|--|--|--|--|----|----|
| QA/QC Type: DUP | Lab Sample ID: 021417ANH3DUP | Client Sample ID: 208712DUP | Date Analyzed: 2/14/2017 10:10:00 AM |     |      |  |  |  |  |  |    |    |
| Ammonia (N)     | 0.18                         | 0.30                        | 0.28                                 | IS3 | mg/L |  |  |  |  |  | 38 | 20 |

### Comments: