

SOP ID : MSM4500-NH3 B,G-Ammonia-18

SDG No : N/A

Start Digest Date: 12/04/2025 Time : 14:00 Temp : 150 °C

Matrix : WATER

End Digest Date: 12/04/2025 Time : 15:00 Temp : 160 °C

Pipette ID : WC

1st batch 12/04/2025 15.25 1542
12/04/2025 16.25 1602

Balance ID : N/A

Hood ID : HOOD#2

Digestion tube ID : M5595

Block Thermometer ID : WC CYANIDE

Block ID : WC-DIST-BLOCK-1

Filter paper ID : N/A

Prep Technician Signature: *RM*

Weigh By : N/A

pH Meter ID : N/A

Supervisor Signature: *12*

| Standard Name | MLS USED | STD REF. # FROM LOG |
|-------------------|----------|---------------------|
| LCSW | 1.0ML | WP115589 |
| MS/MSD SPIKE SOL. | 1.0ML | WP115588 |
| PBW | 50.0ML | W3112 |
| RL CHECK | 0.1ML | WP115588 |
| N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|------------------|----------------|------------|
| BORATE BUFFER | 2.5ML | WP113886 |
| NAOH 6N | 0.5-2.0ML | WP113887 |
| H2SO4 0.04N | 5.0ML | WP115336 |
| pH strip-Ammonia | N/A | W3133 |
| KI-starch paper | N/A | W3155 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

Extraction Conformance/Non-Conformance Comments:

ALL GLASSWEAR ARE STEAMED OUT AND THERE WERE NO TRACE OF AMMONIA USING NESLER REAGENT WP114104. Due to bad matrix and client history 1ML was taken as an initial volume for Q3772-01 and Q3772-05.

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-----------------|---|----------------------|
| 12/4/2025 16:40 | <i>RM (WC)</i> | <i>RM (WC)</i> |
| | Preparation Group | Analysis Group |

| Lab Sample ID | Client Sample ID | Initial Vol (ml) | Final Vol (ml) | pH | Sulfide | Oxidizing | Nitrate/ Nitrite | Comment | Prep Pos |
|---------------|------------------------------|------------------|----------------|----|---------|-----------|------------------|--------------------------------|----------|
| PB170830BL | PBW830 | 50 | 50 | <2 | N/A | Negative | N/A | AFTER ADDING 6N NAOH PH IS 9.5 | N/A |
| PB170830BS | LCS830 | 50 | 50 | <2 | N/A | Negative | N/A | AFTER ADDING 6N NAOH PH IS 9.5 | N/A |
| Q3760-01DUP | 001 WILLETS PT BLVD (DEC)DUP | 50 | 50 | <2 | N/A | Negative | N/A | AFTER ADDING 6N NAOH PH IS 9.5 | N/A |
| Q3760-01MS | 001 WILLETS PT BLVD (DEC)MS | 50 | 50 | <2 | N/A | Negative | N/A | AFTER ADDING 6N NAOH PH IS 9.5 | N/A |
| Q3760-01MSD | 001 WILLETS PT BLVD (DEC)MSD | 50 | 50 | <2 | N/A | Negative | N/A | AFTER ADDING 6N NAOH PH IS 9.5 | N/A |
| Q3760-01 | 001 WILLETS PT BLVD (DEC) | 50 | 50 | <2 | N/A | Negative | N/A | AFTER ADDING 6N NAOH PH IS 9.5 | N/A |
| Q3760-02 | 002 35TH AVE (DEC) | 50 | 50 | <2 | N/A | Negative | N/A | AFTER ADDING 6N NAOH PH IS 9.5 | N/A |
| Q3772-01 | EFFLUENT | 1 | 50 | <2 | N/A | Negative | N/A | AFTER ADDING 6N NAOH PH IS 9.5 | N/A |
| Q3772-05 | INFLUENT | 1 | 50 | <2 | N/A | Negative | N/A | AFTER ADDING 6N NAOH PH IS 9.5 | N/A |
| Q3785-04 | WATER-TREATMEN DISCHARGE | 50 | 50 | <2 | N/A | Negative | N/A | AFTER ADDING 6N NAOH PH IS 9.5 | N/A |