

**FINAL REPORT**

**Albany Memorial Hospital**

Engineering  
 600 Northern Blvd  
 Albany, NY 12204  
 P: (518) 471-3015  
 F: (518) 447-3587  
**ATTN:** Larry Tilton

**Account #:** 2318  
 SPL Project ID: 1809-00833  
 Project Name: Copper/Silver  
 PO Number: 3226-4019  
 Sampled By: Thomas R. Poole  
 Date Received: 09/26/2018  
 Date Final: 10/08/2018

**Summary**

This summary is provided for your convenience. Complete report on the following pages.

**Copper/Silver Analysis**

| Location           | Result   | Concentration                      |
|--------------------|----------|------------------------------------|
| 1. 6th Fl Rm 517   | Complete | Copper: 0.1 mg/L Silver: 0.04 mg/L |
| 2. 6th Fl Wait Rm  | Complete | Copper: 0.1 mg/L Silver: 0.01 mg/L |
| 3. 4th Fl N Shower | Complete | Copper: 0.1 mg/L Silver: 0.03 mg/L |
| 4. 4th Fl S Sink   | Complete | Copper: 0.1 mg/L Silver: 0.04 mg/L |
| 5. 4-CCD 438.02    | Complete | Copper: 0.1 mg/L Silver: 0.03 mg/L |
| 6. 4 CCD 440.01    | Complete | Copper: 0.1 mg/L Silver: 0.03 mg/L |
| 7. 3N Sink         | Complete | Copper: 0.1 mg/L Silver: 0.05 mg/L |
| 8. 3S Ex Rm 1      | Complete | Copper: 0.1 mg/L Silver: 0.04 mg/L |
| 9. ED XR3          | Complete | Copper: 0.1 mg/L Silver: 0.04 mg/L |
| 10. SG Return      | Complete | Copper: 0.1 mg/L Silver: 0.03 mg/L |

Approved by: Jack Rihs



Janet E. Stout, Ph.D.  
 Director, Special Pathogens Laboratory

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|            |                         |                 |            |
|------------|-------------------------|-----------------|------------|
| Location:  | <b>1. 6th Fl Rm 517</b> | Date Collected: | 09/25/2018 |
| Sample ID: | 1809-00833.001          | Sample Type:    | Water      |
|            |                         | Time Collected: | 7:35 am    |

|                  |                                |         |                     |
|------------------|--------------------------------|---------|---------------------|
| Test Requested:  | Copper/Silver Analysis         | Status: | Complete 10/08/2018 |
| Result:          | <b>Complete</b>                |         |                     |
| Copper:          | 0.1 mg/L                       |         |                     |
| Silver:          | 0.04 mg/L                      |         |                     |
| Report Comments: | Copper Ions Below Target Range |         |                     |

|            |                          |                 |            |
|------------|--------------------------|-----------------|------------|
| Location:  | <b>2. 6th Fl Wait Rm</b> | Date Collected: | 09/25/2018 |
| Sample ID: | 1809-00833.002           | Sample Type:    | Water      |
|            |                          | Time Collected: | 7:40 am    |

|                  |                                |         |                     |
|------------------|--------------------------------|---------|---------------------|
| Test Requested:  | Copper/Silver Analysis         | Status: | Complete 10/08/2018 |
| Result:          | <b>Complete</b>                |         |                     |
| Copper:          | 0.1 mg/L                       |         |                     |
| Silver:          | 0.01 mg/L                      |         |                     |
| Report Comments: | Copper Ions Below Target Range |         |                     |

|            |                           |                 |            |
|------------|---------------------------|-----------------|------------|
| Location:  | <b>3. 4th Fl N Shower</b> | Date Collected: | 09/25/2018 |
| Sample ID: | 1809-00833.003            | Sample Type:    | Water      |
|            |                           | Time Collected: | 7:45 am    |

|                  |                                |         |                     |
|------------------|--------------------------------|---------|---------------------|
| Test Requested:  | Copper/Silver Analysis         | Status: | Complete 10/08/2018 |
| Result:          | <b>Complete</b>                |         |                     |
| Copper:          | 0.1 mg/L                       |         |                     |
| Silver:          | 0.03 mg/L                      |         |                     |
| Report Comments: | Copper Ions Below Target Range |         |                     |

|            |                         |                 |            |
|------------|-------------------------|-----------------|------------|
| Location:  | <b>4. 4th Fl S Sink</b> | Date Collected: | 09/25/2018 |
| Sample ID: | 1809-00833.004          | Sample Type:    | Water      |
|            |                         | Time Collected: | 7:50 am    |

|                  |                                |         |                     |
|------------------|--------------------------------|---------|---------------------|
| Test Requested:  | Copper/Silver Analysis         | Status: | Complete 10/08/2018 |
| Result:          | <b>Complete</b>                |         |                     |
| Copper:          | 0.1 mg/L                       |         |                     |
| Silver:          | 0.04 mg/L                      |         |                     |
| Report Comments: | Copper Ions Below Target Range |         |                     |

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Location: **5. 4-CCD 438.02** Date Collected: 09/25/2018  
 Sample ID: 1809-00833.005 Sample Type: Water  
 Time Collected: 7:55 am

Test Requested: Copper/Silver Analysis Status: Complete 10/08/2018  
 Result: **Complete**  
 Copper: 0.1 mg/L  
 Silver: 0.03 mg/L  
 Report Comments: Copper Ions Below Target Range

Location: **6. 4 CCD 440.01** Date Collected: 09/25/2018  
 Sample ID: 1809-00833.006 Sample Type: Water  
 Time Collected: 8:00 am

Test Requested: Copper/Silver Analysis Status: Complete 10/08/2018  
 Result: **Complete**  
 Copper: 0.1 mg/L  
 Silver: 0.03 mg/L  
 Report Comments: Copper Ions Below Target Range

Location: **7. 3N Sink** Date Collected: 09/25/2018  
 Sample ID: 1809-00833.007 Sample Type: Water  
 Time Collected: 8:10 am

Test Requested: Copper/Silver Analysis Status: Complete 10/08/2018  
 Result: **Complete**  
 Copper: 0.1 mg/L  
 Silver: 0.05 mg/L  
 Report Comments: Copper Ions Below Target Range

Location: **8. 3S Ex Rm 1** Date Collected: 09/25/2018  
 Sample ID: 1809-00833.008 Sample Type: Water  
 Time Collected: 8:15 am

Test Requested: Copper/Silver Analysis Status: Complete 10/08/2018  
 Result: **Complete**  
 Copper: 0.1 mg/L  
 Silver: 0.04 mg/L  
 Report Comments: Copper Ions Below Target Range

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**Location:** 9. ED XR3  
**Sample ID:** 1809-00833.009  
**Date Collected:** 09/25/2018  
**Sample Type:** Water  
**Time Collected:** 8:25 am

**Test Requested:** Copper/Silver Analysis  
**Result:** Complete  
**Copper:** 0.1 mg/L  
**Silver:** 0.04 mg/L  
**Report Comments:** Copper Ions Below Target Range  
**Status:** Complete 10/08/2018

**Location:** 10. SG Return  
**Sample ID:** 1809-00833.010  
**Date Collected:** 09/25/2018  
**Sample Type:** Water  
**Time Collected:** 8:30 am

**Test Requested:** Copper/Silver Analysis  
**Result:** Complete  
**Copper:** 0.1 mg/L  
**Silver:** 0.03 mg/L  
**Report Comments:** Copper Ions Below Target Range  
**Status:** Complete 10/08/2018

Approved by: Jack Rihs



Janet E. Stout, Ph.D.  
Director, Special Pathogens Laboratory

## NOTES

### Copper/Silver Analysis

- EPA Method 200.8; Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
- Suggested target ranges for ions: Copper 0.2-0.8 mg/L; Silver 0.01-0.08 mg/L.
- Testing Performed by ALS GROUP USA. ALS Environmental PA DEP Lab Code: 22-00293, Address: 34 Dogwood Lane, Middletown, PA 17057, or ALS Environmental MI 68-03827 3352 128th Ave Holland, Michigan 49424.

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