ALS Environmental

34 Dogwood Lane ▪ Middletown, PA 17057 ▪ Phone: 717-944-5541 ▪ Fax: 717-944-1430 ▪ www.alsglobal.com

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: A2LA 0818.01
State Certifications: DE ID 11 , MA PA0102 , MD 128 , VA 460157 , WV 343

June 19, 2015

Mr. Brian Lyle
Wrightsville Borough
P.O. BOX 187
Wrightsville, PA 17368

# Certificate of Analysis

| | | | |
|---|---|---|---|
| Project Name: | **Routine Sample Submissions** | Workorder: | **2076758** |
| Purchase Order: | | Workorder ID: | **Raw Water** |

Dear Mr. Lyle:

Enclosed are the analytical results for samples received by the laboratory on Saturday, June 13, 2015.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Mrs. Kelli L Wolfgang (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

Kelli Wolfgang

Mrs. Kelli L Wolfgang
Project Coordinator

*This page is included as part of the Analytical Report and must be retained as a permanent record thereof.*

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## SAMPLE SUMMARY

Workorder: 2076758 Raw Water

| Lab ID | Sample ID | Matrix | Date Collected | Date Received | Collected By |
|---|---|---|---|---|---|
| 2076758001 | Raw Water | Drinking Water | 6/13/2015 04:00 | 6/13/2015 08:10 | Collected by Client |
| 2076758002 | Raw Water | Drinking Water | 6/13/2015 04:00 | 6/13/2015 08:10 | Collected by Client |
| 2076758003 | Raw Water | Drinking Water | 6/13/2015 04:00 | 6/13/2015 08:10 | Collected by Client |

**Notes**

-- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
-- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
-- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
-- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
-- The Chain of Custody document is included as part of this report.
-- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
-- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
-- Method references listed on this report beginning with the prefix “S” followed by a method number (such as S2310B-97) refer to methods from “Standard Methods for the Examination of Water and Wastewater”.

**Standard Acronyms/Flags**

| | |
|---|---|
| J | Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte |
| U | Indicates that the analyte was Not Detected (ND) |
| N | Indicates presumptive evidence of the presence of a compound |
| MDL | Method Detection Limit |
| PQL | Practical Quantitation Limit |
| RDL | Reporting Detection Limit |
| ND | Not Detected - indicates that the analyte was Not Detected at the RDL |
| Cntr | Analysis was performed using this container |
| RegLmt | Regulatory Limit |
| LCS | Laboratory Control Sample |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| DUP | Sample Duplicate |
| %Rec | Percent Recovery |
| RPD | Relative Percent Difference |
| LOD | DoD Limit of Detection |
| LOQ | DoD Limit of Quantitation |
| DL | DoD Detection Limit |
| I | Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL) |

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# ANALYTICAL RESULTS

Workorder: 2076758 Raw Water

Lab ID: **2076758001** Date Collected: 6/13/2015 04:00 Matrix: Drinking Water
Sample ID: **Raw Water** Date Received: 6/13/2015 08:10

| Parameters | Results | Flag | Units | RDL | Method | Prepared | By | Analyzed | By | *Cntr* |
|---|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | | |
| Cyanide, Total | ND | | mg/L | 0.0050 | EPA 335.4 | 6/18/15 | SYB | 6/19/15 10:19 | SYB | C |
| Fluoride | ND | | mg/L | 0.10 | EPA 300.0 | | | 6/13/15 17:30 | SSL | B |
| **METALS** | | | | | | | | | | |
| Antimony, Total | ND | | mg/L | 0.0010 | EPA 200.8 | 6/16/15 | JPS | 6/17/15 04:02 | ZMC | A1 |
| Arsenic, Total | ND | | mg/L | 0.0015 | EPA 200.8 | 6/16/15 | JPS | 6/17/15 04:02 | ZMC | A1 |
| Barium, Total | 0.042 | | mg/L | 0.0025 | EPA 200.8 | 6/16/15 | JPS | 6/17/15 04:02 | ZMC | A1 |
| Beryllium, Total | ND | | mg/L | 0.00050 | EPA 200.8 | 6/16/15 | JPS | 6/17/15 04:02 | ZMC | A1 |
| Cadmium, Total | ND | | mg/L | 0.00050 | EPA 200.8 | 6/16/15 | JPS | 6/17/15 04:02 | ZMC | A1 |
| Chromium, Total | ND | | mg/L | 0.0010 | EPA 200.8 | 6/16/15 | JPS | 6/17/15 04:02 | ZMC | A1 |
| Mercury, Total | ND | | mg/L | 0.00010 | EPA 200.8 | 6/16/15 | JPS | 6/17/15 04:02 | ZMC | A1 |
| Nickel, Total | ND | | mg/L | 0.0025 | EPA 200.8 | 6/16/15 | JPS | 6/17/15 04:02 | ZMC | A1 |
| Selenium, Total | ND | | mg/L | 0.0020 | EPA 200.8 | 6/16/15 | JPS | 6/17/15 04:02 | ZMC | A1 |
| Thallium, Total | ND | | mg/L | 0.00050 | EPA 200.8 | 6/16/15 | JPS | 6/17/15 04:02 | ZMC | A1 |

Kelli Wolfgang
Mrs. Kelli L Wolfgang
Project Coordinator

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## ANALYTICAL RESULTS

Workorder: 2076758 Raw Water

Lab ID: **2076758002** Date Collected: 6/13/2015 04:00 Matrix: Drinking Water
Sample ID: **Raw Water** Date Received: 6/13/2015 08:10

| Parameters | Results | Flag | Units | RDL | Method | Prepared By | Analyzed | By | *Cntr* |
|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | |
| Total Organic Carbon (TOC) | 3.7 | | mg/L | 1.0 | S5310B-00 | | 6/15/15 11:37 | PAG | A |

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## ANALYTICAL RESULTS

Workorder: 2076758 Raw Water

Lab ID: **2076758003** Date Collected: 6/13/2015 04:00 Matrix: Drinking Water
Sample ID: **Raw Water** Date Received: 6/13/2015 08:10

| Parameters | Results | Flag | Units | RDL | Method | Prepared By | Analyzed | By | *Cntr* |
|---|---|---|---|---|---|---|---|---|---|
| **WET CHEMISTRY** | | | | | | | | | |
| Nitrate-N | 1.6 | | mg/L | 0.10 | EPA 300.0 | | 6/13/15 17:30 | SSL | A |
| Nitrite-N | ND | | mg/L | 0.10 | EPA 300.0 | | 6/13/15 17:30 | SSL | A |

Kelli Wolfgang
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Project Coordinator

ALS Environmental
34 Dogwood Lane
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P. 717-944-5541
F.717-944-1430

# CHAIN OF CUSTODY/ REQUEST FOR ANALYSIS

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/ SAMPLER (INSTRUCTIONS ON THE BACK)

K

Page ___ of ___
Courier:
Tracking #:

*2076758*

Co. Name: Wrightsville Water
Contact (Report to): Brian Lyle
Phone: 577-9746
Address: 601 Water St Wrightsville Pa, 17368

Bill to (if different than Report to):
PO#:

Project Name/#:
ALS Quote #:

TAT: [ ] Normal-Standard TAT is 10-12 business days. [X] Rush-Subject to ALS approval and surcharges.
Date Required:
Approved By:

Email? Y blwhma@MSN.com
Fax? Y No.:

| | | | | | | | | | | | | | | | | | | | | | | | |
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| ***Container Type | | | | | | | | | | | | | | | | | | | | | | | |
| ***Container Size | | | | | | | | | | | | | | | | | | | | | | | |
| ***Preservative | | | | | | | | | | | | | | | | | | | | | | | |
| ANALYSES/METHOD REQUESTED | | | | | | | | | | | | | | | | | | | | | | | |
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