



Inorganic Contaminant Report

I. PWS INFORMATION: Please refer to your DEP Water Quality Sampling Schedule (WQSS) to help complete this form

PWS ID #: 3213000

City / Town: NORTH READING

PWS Name: North Reading Water Dept.

PWS Class: COM ☒ NTNC ☐ TNC ☐

| DEP LOCATION (LOC) ID# | DEP Location Name | Sample Information <small>*Please note all samples are considered representative of finished water if there is no treatment applied</small> | Date Collected | Collected By |
|---|---|---|--|--------------|
| 10292 | Central St. - Andover Combined | <input checked="" type="checkbox"/> (M)ultiple <input type="checkbox"/> (R)aw <input type="checkbox"/> (S)ingle <input checked="" type="checkbox"/> (F)inished | 3/27/2018 | Mark Clark |
| Routine or Special Sample | Original, Resubmitted or Confirmation Report | If Resubmitted Report, list below: | | |
| <input checked="" type="checkbox"/> RS <input type="checkbox"/> SS | <input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation | (1) Reason for Resubmission <input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction | (2) Collection Date of Original Sample | |
| SAMPLE NOTES - (Such as, if a Manifold/Multiple sample, list the sources that were on-line during sample collection). | | | | |

II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab MA Cert. #: M-MA086

Primary Lab Name: Alpha Analytical

Subcontracted? (Y/N) N

| Contaminant | Result (mg/L) | MCL (mg/L) | MDL (mg/L) | Lab Method | Date Analyzed | Analysis Lab MA Cert # | Analysis Lab Name | Lab Sample ID# |
|-----------------------|---------------|------------|------------|------------|---------------|------------------------|-------------------|----------------|
| ANTIMONY | ND | 0.006 | 0.0040 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-04 |
| ARSENIC | ND | 0.010 | 0.0010 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-04 |
| BARIUM | 0.0147 | 2 | 0.0010 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-04 |
| BERYLLIUM | ND | 0.004 | 0.0010 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-04 |
| CADMIUM | ND | 0.005 | 0.0002 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-04 |
| CHROMIUM | ND | 0.1 | 0.0010 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-04 |
| CYANIDE | ND | 0.2 | 0.005 | 4500CN-CE | 3/29/2018 | M-MA086 | Alpha Analytical | L1810358-04 |
| FLUORIDE ¹ | 0.53 | 4.0 | 0.20 | 4500F-C | 3/28/2018 | M-MA086 | Alpha Analytical | L1810358-04 |
| MERCURY ² | ND | 0.002 | 0.0002 | 245.1 | 3/30/2018 | M-MA030 | Alpha Analytical | L1810358-04 |
| NICKEL | ND | 0.1* | 0.0020 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-04 |
| SELENIUM | ND | 0.05 | 0.0050 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-04 |
| SODIUM | 66.4 | 20* | 2.00 | 200.7 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-04 |
| THALLIUM | ND | 0.002 | 0.0010 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-04 |

¹Fluoride also has a secondary MCL of 2.0 mg/L. Community water systems which exceed this limit must provide public notice pursuant to 310 CMR 22.16.²Please note that if method 245.1 is used for mercury, only method revision 3.0 will be accepted by MA DEP.

*No current MCL, however DEP Office of Research and Standards has established a guideline (ORSG) limit for this contaminant.

| | |
|--|---|
| Was this Sample composited by the Lab? | COMPOSITE SAMPLE NOTES List the composited sources by DEP Source Code (XXXXXXX-XXX), up to five individual sources per sample. |
| Yes <input type="checkbox"/> | |
| LAB SAMPLE NOTES | |
| | |

I certify under penalties of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best extent of my knowledge.

Primary Lab Director Signature: Joseph Wickens

Date: 4/5/2018

In accordance with 310 CMR 22.15(2), if mailing paper reports, TWO copies of this report must be received by your MassDEP Regional Office no later than 10 days after the end of the month in which the results are received or no later than 10 days after the end of the monitoring period, whichever is sooner. Please note: Electronic reporting (eDEP) deadline is the same as above.

| | | |
|--|-----------------|-------------------|
| DEP REVIEW STATUS (Initial & Date) | Review Comments | WQTS Data Entered |
| <input type="checkbox"/> Accepted <input type="checkbox"/> Disapproved | | |



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PWS Name: North Reading Water Dept.

PWS Class: COM ☒ NTNC ☐ TNC ☐

| DEP LOCATION (LOC) ID# | DEP Location Name | Sample Information <small>*Please note all samples are considered representative of finished water if there is no treatment applied</small> | Date Collected | Collected By |
|---|---|---|--|--------------|
| 10010 | Lakeside Gwtp - (2,3,5,7g) | <input checked="" type="checkbox"/> (M)ultiple <input type="checkbox"/> (R)aw <input type="checkbox"/> (S)ingle <input checked="" type="checkbox"/> (F)inished | 3/27/2018 | Mark Clark |
| Routine or Special Sample | Original, Resubmitted or Confirmation Report | If Resubmitted Report, list below: | | |
| <input checked="" type="checkbox"/> RS <input type="checkbox"/> SS | <input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation | (1) Reason for Resubmission <input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction | (2) Collection Date of Original Sample | |
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II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab MA Cert. #: M-MA086

Primary Lab Name: Alpha Analytical

Subcontracted? (Y/N) N

| Contaminant | Result (mg/L) | MCL (mg/L) | MDL (mg/L) | Lab Method | Date Analyzed | Analysis Lab MA Cert # | Analysis Lab Name | Lab Sample ID# |
|-----------------------|---------------|------------|------------|------------|---------------|------------------------|-------------------|----------------|
| ANTIMONY | ND | 0.006 | 0.0040 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-02 |
| ARSENIC | ND | 0.010 | 0.0010 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-02 |
| BARIUM | 0.0375 | 2 | 0.0010 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-02 |
| BERYLLIUM | ND | 0.004 | 0.0010 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-02 |
| CADMIUM | ND | 0.005 | 0.0002 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-02 |
| CHROMIUM | ND | 0.1 | 0.0010 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-02 |
| CYANIDE | ND | 0.2 | 0.005 | 4500CN-CE | 3/29/2018 | M-MA086 | Alpha Analytical | L1810358-02 |
| FLUORIDE ¹ | 0.46 | 4.0 | 0.20 | 4500F-C | 3/28/2018 | M-MA086 | Alpha Analytical | L1810358-02 |
| MERCURY ² | ND | 0.002 | 0.0002 | 245.1 | 3/30/2018 | M-MA030 | Alpha Analytical | L1810358-02 |
| NICKEL | 0.0186 | 0.1* | 0.0020 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-02 |
| SELENIUM | ND | 0.05 | 0.0050 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-02 |
| SODIUM | 68.2 | 20* | 2.00 | 200.7 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-02 |
| THALLIUM | ND | 0.002 | 0.0010 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-02 |

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I certify under penalties of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best extent of my knowledge.

Primary Lab Director Signature: *Joseph W. Wilkins*

Date: 4/5/2018

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|--|---|--|--|--------------|
| 10291 | Railroad Bed Gwtf (West Village)- Finished | <input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle <input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished | 3/27/2018 | Mark Clark |
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|-----------------------|---------------|------------|------------|------------|---------------|------------------------|-------------------|----------------|
| ANTIMONY | ND | 0.006 | 0.0040 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-03 |
| ARSENIC | ND | 0.010 | 0.0010 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-03 |
| BARIUM | 0.0049 | 2 | 0.0010 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-03 |
| BERYLLIUM | ND | 0.004 | 0.0010 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-03 |
| CADMIUM | ND | 0.005 | 0.0002 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-03 |
| CHROMIUM | ND | 0.1 | 0.0010 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-03 |
| CYANIDE | ND | 0.2 | 0.005 | 4500CN-CE | 3/29/2018 | M-MA086 | Alpha Analytical | L1810358-03 |
| FLUORIDE ¹ | 0.39 | 4.0 | 0.20 | 4500F-C | 3/28/2018 | M-MA086 | Alpha Analytical | L1810358-03 |
| MERCURY ² | ND | 0.002 | 0.0002 | 245.1 | 3/30/2018 | M-MA030 | Alpha Analytical | L1810358-03 |
| NICKEL | ND | 0.1* | 0.0020 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-03 |
| SELENIUM | ND | 0.05 | 0.0050 | 200.8 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-03 |
| SODIUM | 69.4 | 20* | 2.00 | 200.7 | 4/2/2018 | M-MA030 | Alpha Analytical | L1810358-03 |
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