

CERTIFICATE OF ANALYSIS

NY Lab ID 11534

| | | | |
|---------------|-----------------------------|------------|----------------|
| Project Name: | Troy CSD - 2016 Lead | Workorder: | C022437 |
|---------------|-----------------------------|------------|----------------|

Tim LeVan
Troy Central School District
475 First Street
Troy, NY 12180

Project Name and Number: **Troy CSD - 2016 Lead**

December 20, 2016


Dear Tim LeVan,

This report relates only to the sample(s) as received by the laboratory. Laboratory reports may not be reproduced, except in full, without the written approval of the laboratory.

The issuance of the final Certificate of Analysis takes precedence over any previous Preliminary Report. Caution is advised for the utilization of preliminary data included in reports labeled as "Preliminary Report" and should not be used for regulatory purposes. A laboratory signature is provided on final reports only.

If you have any questions in reference to this laboratory report, please contact your CNA Environmental project coordinator or laboratory manager listed at the bottom of this report at (518) 884-0800.

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


Laboratory Manager

CNA Environmental, LLC



Dakota Snyder, Field Coordinator

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Client:

Troy Central School District
475 First Street
Troy, NY 12180

Project:

Troy CSD - 2016 Lead

CNA Environmental, LLC received the sample(s) associated with this batch in compliance with NYSDOH guidelines. The requested analysis methods and results are detailed in the following data summary reports. Any exceptions to method procedures are listed in the comments section below.

To meet the New York Sanitary Code for Public Drinking Water, Total Coliform must be absent or <1; all other analytes must be less than or equal to the MCL.

Metals:

Sample(s) meet the NYSDOH MCL criteria for the parameters shown in the results section.

Exceptions:

Samples C022437- 01, 04, 09, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25.

Lead MCL = 0.015

CNA Environmental, LLC



Dakota Snyder, Field Coordinator

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Total Metals

Date Received: 12/16/16 09:45

| Sample ID# | Analysis | Method | Results | RL | Units | MCL | Sample Point | Sampled | Analyzed | Notes |
|------------|-----------|------------|---------|-------|-------|-------|-------------------|----------------|----------------|-------|
| C022437-04 | Digestion | SM21 3113B | 0.00 | | mg/L | | THS-01-BF1-P-597 | 12/16/16 05:37 | 12/20/16 10:28 | |
| C022437-01 | Lead | SM21 3113B | 0.016 | 0.002 | mg/L | 0.015 | THS-LL-BF2-P-553 | 12/16/16 05:09 | 12/19/16 11:00 | |
| C022437-02 | Lead | SM21 3113B | 0.006 | 0.002 | mg/L | 0.015 | THS-LL-BF2-P-565 | 12/16/16 05:12 | 12/19/16 11:00 | |
| C022437-03 | Lead | SM21 3113B | 0.004 | 0.002 | mg/L | 0.015 | THS-LL-BF1-P-568 | 12/16/16 05:13 | 12/19/16 11:00 | |
| C022437-04 | Lead | SM21 3113B | 0.256 | 0.002 | mg/L | 0.015 | THS-01-BF1-P-597 | 12/16/16 05:37 | 12/20/16 10:28 | |
| C022437-05 | Lead | SM21 3113B | 0.003 | 0.002 | mg/L | 0.015 | THS-01-BF2-P-616 | 12/16/16 05:23 | 12/19/16 11:00 | |
| C022437-06 | Lead | SM21 3113B | 0.001 | 0.002 | mg/L | 0.015 | THS-01-CF1-P-620A | 12/16/16 05:24 | 12/19/16 11:00 | J |
| C022437-07 | Lead | SM21 3113B | 0.002 | 0.002 | mg/L | 0.015 | THS-01-CF2-P-620B | 12/16/16 05:24 | 12/19/16 11:00 | |
| C022437-08 | Lead | SM21 3113B | 0.004 | 0.002 | mg/L | 0.015 | THS-01-CF3-P-620C | 12/16/16 05:25 | 12/19/16 11:00 | |
| C022437-09 | Lead | SM21 3113B | 0.171 | 0.002 | mg/L | 0.015 | THS-01-CF2-P-622 | 12/16/16 05:27 | 12/19/16 11:00 | |
| C022437-10 | Lead | SM21 3113B | 0.018 | 0.002 | mg/L | 0.015 | THS-01-BF3-P-645 | 12/16/16 05:17 | 12/19/16 11:00 | |
| C022437-11 | Lead | SM21 3113B | 0.021 | 0.002 | mg/L | 0.015 | THS-01-CF3-P-662 | 12/16/16 05:03 | 12/19/16 11:00 | |
| C022437-12 | Lead | SM21 3113B | 0.012 | 0.002 | mg/L | 0.015 | THS-02-BF4-P-698 | 12/16/16 05:54 | 12/19/16 11:00 | |
| C022437-13 | Lead | SM21 3113B | 0.127 | 0.002 | mg/L | 0.015 | THS-02-CF9-P-742 | 12/16/16 05:37 | 12/19/16 11:00 | |
| C022437-14 | Lead | SM21 3113B | 0.240 | 0.002 | mg/L | 0.015 | THS-02-CF10-P-743 | 12/16/16 05:38 | 12/19/16 11:00 | |
| C022437-15 | Lead | SM21 3113B | 0.103 | 0.002 | mg/L | 0.015 | THS-02-CF7-P-750 | 12/16/16 05:44 | 12/19/16 11:00 | |
| C022437-16 | Lead | SM21 3113B | 0.369 | 0.002 | mg/L | 0.015 | THS-02-CF8-P-751 | 12/16/16 05:44 | 12/19/16 11:00 | |
| C022437-17 | Lead | SM21 3113B | 0.040 | 0.002 | mg/L | 0.015 | THS-02-CF9-P-752 | 12/16/16 05:45 | 12/19/16 11:00 | |
| C022437-18 | Lead | SM21 3113B | 0.050 | 0.002 | mg/L | 0.015 | THS-02-CF10-P-753 | 12/16/16 05:45 | 12/19/16 11:00 | |
| C022437-19 | Lead | SM21 3113B | 0.445 | 0.002 | mg/L | 0.015 | THS-03-CF22-P-812 | 12/16/16 05:49 | 12/20/16 10:28 | |
| C022437-20 | Lead | SM21 3113B | 0.019 | 0.002 | mg/L | 0.015 | THS-03-CF4-P-826 | 12/16/16 05:59 | 12/19/16 11:00 | |
| C022437-21 | Lead | SM21 3113B | 0.016 | 0.002 | mg/L | 0.015 | THS-03-CF6-P-828 | 12/16/16 05:58 | 12/19/16 11:00 | |
| C022437-22 | Lead | SM21 3113B | 0.099 | 0.002 | mg/L | 0.015 | THS-03-CF14-P-836 | 12/16/16 05:55 | 12/19/16 11:00 | |
| C022437-23 | Lead | SM21 3113B | 0.039 | 0.002 | mg/L | 0.015 | THS-03-CF22-P-844 | 12/16/16 05:56 | 12/19/16 11:00 | |
| C022437-24 | Lead | SM21 3113B | 0.055 | 0.002 | mg/L | 0.015 | THS-03-CF26-P-848 | 12/16/16 05:57 | 12/19/16 11:00 | |
| C022437-25 | Lead | SM21 3113B | 0.035 | 0.002 | mg/L | 0.015 | THS-03-BF3-P-890 | 12/16/16 06:01 | 12/19/16 11:00 | |

CNA Environmental, LLC



Dakota Snyder, Field Coordinator

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Notes and Definitions

| | |
|-----------|---|
| J | Estimated value above the Method Detection Limit (MDL), but below the Reporting Limit (RL). |
| DET | Analyte DETECTED |
| ND | Analyte NOT DETECTED at or above the Reporting Limit (RL) |
| NR | Not Reported |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |
| < | Less than reporting limit |
| ≤ | Less than or equal to reporting limit |
| > | Greater than reporting limit |
| ≥ | Greater than or equal to reporting limit |
| MDL | Method Detection Limit |
| RL | Reporting Limit |
| MCL/AL | Maximum Contaminant Level*/Action Level |
| mg/kg wet | Results reported as wet weight |
| TTL | Total Threshold Limit Concentration |
| STLC | Soluble Threshold Limit Concentration |
| TCLP | Toxicity Characteristic Leachate Procedure |

*MCL values listed in this report are taken from the New York State Department of Health Part 5, Subpart 5-1 Public Water System Tables. A full list of parameters and their associated MCL values can be found on the New York Department of Health's website, www.health.ny.gov. Please note that some parameters tested may not have an associated MCL value. In other cases, a listed MCL value may refer to a recommended result limit or result equivalent to another parameter; as is the case for heterotrophic plate count (HPC). HPC results equal to or less than 500 colonies/mL is considered to be equivalent to a measurable free chlorine residual.

All work performed by CNA Environmental, LLC is subject to its terms and conditions of services viewable at our office and our website: www.cnawater.com/about-us/terms

CNA Environmental, LLC



Dakota Snyder, Field Coordinator

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POTABLE WATER SAMPLING FOR LEAD CONCENTRATION SAMPLE COLLECTION FORM

Appendix D

Page 1 of 1

CLIENT INFORMATION

| | |
|-------------|---------------------------------------|
| Name: | Enlarged City School District of Troy |
| Address: | 475 First Street Troy NY 12180 |
| Client Rep: | Guy Gardner |

| | |
|-------------------|------------|
| Date of Sampling: | 12/16/2016 |
| Samples Taken By: | Tim LeVan |
| Samples Taken By: | |

SCHOOL/PROJECT INFORMATION

| | |
|-------------------------|--------------------------------|
| BLDG NO./NAME: | Troy High School |
| BLDG ADDRESS: | 1950 Burdett Ave Troy NY 12180 |
| CONTACT NAME & NUMBERS: | Guy Gardner 518-328-5426 |

6022437

| | | | | |
|---------------|-----------------|-----------------|-----------------|------------------|
| (1) Yr. Built | (2) Yr 1st Add: | (3) Yr 2nd Add: | (4) Yr 1st Mod: | (5) Yr. 2nd Mod: |
| 1976 | | | 2014 | |

SAMPLE DATA

| Sample Description ID (ID must match container label) | | | | Outlet Information | | | | | | | | | |
|---|-------------------|-------------------|--------------------|---------------------|-----------------|------------|---------------------------|----------------------|---------------------------|-------------------------|---------------------------|-----------------|---------------------------|
| Lab Sample # | BOCES Sample # | Location | Outlet Description | Outlet Make & Model | Construct. Date | First Draw | Time of Collection (24hr) | 30 Second Flush Draw | Time of Collection (24hr) | Service Connection Draw | Time of Collection (24hr) | Water Main Draw | Time of Collection (24hr) |
| 01 553 | THS-LL-BF2-P-553 | Boys room | Sink 2 | | | X | 5:09 | | | | | | |
| 02 565 | THS-LL-BF2-P-565 | Girls locker room | Sink 2 | | | X | 5:12 | | | | | | |
| 03 568 | THS-LL-BF1-P-568 | Girls locker room | Sink 5 | | | X | 5:13 | | | | | | |
| 04 597 | THS-01-BF1-P-597 | Boys room | Sink 1 | | | X | 5:37 | | | | | | |
| 05 616 | THS-01-BF2-P-616 | Girls room | Sink 2 | | | X | 5:23 | | | | | | |
| 06 620A | THS-01-CF1-P-620A | 121 | Sink 1 | | | X | 5:24 | | | | | | |
| 07 620B | THS-01-CF2-P-620B | 121 | Sink 2 | | | X | 5:24 | | | | | | |
| 08 620C | THS-01-CF3-P-620C | 121 | Sink 3 | | | X | 5:25 | | | | | | |
| 09 622 | THS-01-CF2-P-622 | 123/122 | Sink 2 | | | X | 5:27 | | | | | | |
| 10 645 | THS-01-BF3-P-645 | Womens room | Sink 3 | | | X | 5:17 | | | | | | |
| 11 662 | THS-01-CF3-P-662 | 1 | Sink 3 | | | X | 5:03 | | | | | | |
| 12 698 | THS-02-BF4-P-698 | Girls room | Sink 4 | | | X | 5:54 | | | | | | |
| 13 742 | THS-02-CF9-P-742 | 226 | Sink 9 | | | X | 5:37 | | | | | | |
| 14 743 | THS-02-CF10-P-743 | 226 | Sink 10 | | | X | 5:38 | | | | | | |
| 15 750 | THS-02-CF7-P-750 | 228 | Sink 7 | | | X | 5:44 | | | | | | |
| 16 751 | THS-02-CF8-P-751 | 228 | Sink 8 | | | X | 5:44 | | | | | | |
| 17 752 | THS-02-CF9-P-752 | 228 | Sink 9 | | | X | 5:45 | | | | | | |
| 18 753 | THS-02-CF10-P-753 | 228 | Sink 10 | | | X | 5:45 | | | | | | |
| 19 812 | THS-03-CF22-P-812 | 326 | Sink 22 | | | X | 5:49 | | | | | | |
| 20 826 | THS-03-CF4-P-826 | 323/324 | Sink 4 | | | X | 5:57 | | | | | | |
| 21 828 | THS-03-CF6-P-828 | 323/324 | Sink 6 | | | X | 5:58 | | | | | | |
| 22 836 | THS-03-CF14-P-836 | 323/324 | Sink 14 | | | X | 5:55 | | | | | | |
| 23 844 | THS-03-CF22-P-844 | 323/324 | Sink 22 | | | X | 5:56 | | | | | | |
| 24 848 | THS-03-CF26-P-848 | 323/324 | Sink 26 | | | X | 5:57 | | | | | | |
| 25 890 | THS-03-BF3-P-890 | Boys room | Sink 3 | | | X | 6:01 | | | | | | |

All containers are pre-cleaned/pre-certified 250ml plastic bottles and will be preserved w/HNO3@ pH by lab

CHAIN OF CUSTODY

| | | | |
|--------------------------------------|--------------|-------|----------|
| Relinquished By: | Received By: | Time: | Date: |
| MICHAEL TERRAULT Michael Terrault | PLD | 0945 | 12/16/16 |

20.20

INSTRUCTIONS TO THE LABORATORY - Analyze all samples for lead (Pb)

| | |
|-----------|---|
| Lab: | CNA Environmental |
| Contact: | |
| Comments: | Provide Laboratory Data Report (LDR) and Chain of Custody |