Ana-Lab Corp. P.O. Box 9000 Kilgore, TX 75663

Phone 903/984-0551 FAX 903/984-5914 e-Mail corp@ana-lab.com

Employee Owned Integrity Caring Continual Improvement

# Results

*Printed:* 11/05/2015 Page 1 of 2

*Corrected Report*

| *Account* | *Project* |
|---|---|
| **CRWT-A** | **717918** |

Report To

Corinth Water
Gerald Denton
PO Box 299
Grand Saline, TX 75140

## Results

| Parameter | Results | Units | RL | Flags | MAL | CAS | Bottle |
|---|---|---|---|---|---|---|---|

**1441600** **LCR001/551VZCR 1516/VAN** KITCHEN SINK *Received:* 08/04/2015

Drinking Water *Collected by:* Client *Affiliation:* Corinth Water 08/03/2015 06:35:00

Supplement to Test Report 1415304
Corrected address from LCR001/511VZCR 1516/VAN to LCR001/551VZCR 1516/VAN

*Prepared:* ***622511*** *08/06/2015* *13:00:00*

*EPA 200.8 5.4* Analyzed *WOB 08/06/2015* *09:36:00* *QCgroup* *622564*

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| *N* | **Copper, Total** | **0.0576** | **mg/L** | 0.001 | 1.00 Secc | **7440-50-8** | | 02 |
| *N* | **Lead, Total** | **<0.0005** | **mg/L** | 0.0005 | 0.015 MC | **7439-92-1** | | 02 |

## Sample Preparation

**1441600** **LCR001/551VZCR 1516/VAN** KITCHEN SINK *Received:* 08/04/2015

*Prepared:* ***622511*** *08/06/2015* *13:00:00*

*EPA 200.2 2.8* Analyzed *CLK 08/06/2015* *13:00:00* *QCgroup* *622511*

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| *N* | **Liquid Metals Digestion** | **50/50** | **ml** | | | | | 01 |

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# Results

Qualifiers:

We report results on an 'As Received' or wet basis unless marked 'Dry Weight'. Unless otherwise noted, testing was performed at Ana-lab's corporate laboratory that holds the following Federal and State certificates: Texas Department of Health Lead Firm Certificate 2110076, US Department of Agriculture Soil Import Permit S-37592, Texas Commisson on Environmental Quality Drinking Water Laboratory Certificate TX219, Texas Commission on Environmental Quality NELAP T104704201, Oklahoma Department of Environmental Quality Drinking Water Certification Lab ID# D9913, EPA Lab Number TX00063, USEPA Approved Perchlorate Testing Lab, Oklahoma Department of Environmental Quality Laboratory Certificate 8125, Arkansas Department of Environmental Quality Certification #03-070-0, Louisiana Department of Environmental Quality Laboratory Certification (NELAP, LELAP) #02008, Louisiana Department of Health and Hospitals Drinking Water (NELAP) # LA030020, US Department of Energy Approved, State of Kansas Department of Health and Environment Waste Water and Solid/Hazardous Waste Cert. E-10365. The Accredited column designates accreditation by N -- NELAC, or z -- not covered under NELAC scope of accreditation.

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of Ana-Lab Corp. Unless otherwise specified, these test results meet the requirements of NELAC.
RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

**C. H. Whiteside, Ph.D., President**

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Employee Owned Integrity Caring Continual Improvement

Printed 11/05/2015 Page 1 of 1

# Results and Limits

Report To

Corinth Water
Gerald Denton
PO Box 299
Grand Saline, TX 75140

| Account | Project |
|---|---|
| CRWT | 717918 |

| Parameter | Results | Out Results * | Alert | Limit | Units | Flag | Out |
|---|---|---|---|---|---|---|---|
| **1441600** **LCR001/551VZCR 1516/VAN** | | | | Collection: 08/03/2015 06:35:00 | | | |
| *KITCHEN SINK* | | | | *Supplement to Test Report 1415304* | | | |
| *EPA Drinking Water: column 'Limits' from EPA Drinking Water Limits (40 CFR 141 MCls -- see http://water.epa.gov/drink/contaminants/). Gross Beta Alert Limit is from 40 CFR 141.66 and IS NOT an MCL. EPA recommends secondary standards to water systems but does not require systems to comply. National Primary Drinking Water Regulations (NPDWRs or primary standards) are legally enforceable standards that apply to public water systems. Primary standards protect public health by limiting the levels of contaminants in drinking water.* | | | | | | | |
| **EPA 200.8 5.4** | | | | *Analyzed* 622564 8/6/15 09:36:00 WOB | | | |
| Copper, Total | **0.0576** | | | **1.00 Secondary Standard** | mg/L | | |
| Lead, Total | **<0.0005** | | | **0.015 MCL: Primary Standard** | mg/L | | |

* Out Results are beyond the listed limit. Please verify with your consultant or regulatory authority whether these limits apply to this project.

! Reporting Level above the listed target.

*Qualifiers:*

*We report results on an 'As Received' or wet basis unless marked 'Dry Weight'. Unless otherwise noted, testing was performed at Ana-lab's corporate laboratory that holds the following Federal and State certificates: Texas Department of Health Lead Firm Certificate 2110076, US Department of Agriculture Soil Import Permit S-37592, Texas Commisson on Environmental Quality Drinking Water Laboratory Certificate TX219, Texas Commission on Environmental Quality NELAP T104704201, Oklahoma Department of Environmental Quality Drinking Water Certification Lab ID# D9913, EPA Lab Number TX00063, USEPA Approved Perchlorate Testing Lab, Oklahoma Department of Environmental Quality Laboratory Certificate 8125, Arkansas Department of Environmental Quality Certification #03-070-0, Louisiana Department of Environmental Quality Laboratory Certification (NELAP, LELAP) #02008, Louisiana Department of Health and Hospitals Drinking Water (NELAP) # LA030020, US Department of Energy Approved, State of Kansas Department of Health and Environment Waste Water and Solid/Hazardous Waste Cert. E-10365. The Accredited column designates accreditation by N -- NELAC, or z -- not covered under NELAC scope of accreditation.*

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Employee Owned Integrity Caring Continual Improvement

# Quality Control

Printed 11/05/2015 Page 1 of 2

***Corrected Report***

| *Account* | *Project* |
|---|---|
| **CRWT-A** | **717918** |

Report To

Corinth Water
Gerald Denton
PO Box 299
Grand Saline, TX 75140

**622564 Drinking Water** **EPA 200.8 5.4**

### Blank

| ***Parameter*** | ***PrepSet*** | ***Reading*** | ***MDL*** | ***MQL*** | ***Units*** | ***File*** |
|---|---|---|---|---|---|---|
| Copper, Total | 622511 | 0.000576 | 0.000321 | 0.001 | mg/L | 115710111 |
| Lead, Total | 622511 | 0.0000479 | 0.000028 | 0.0005 | mg/L | 115710111 |

### CCV

| ***Parameter*** | ***Reading*** | ***Known*** | ***Units*** | ***Recover%*** | ***Limits%*** | ***Out*** | ***File*** |
|---|---|---|---|---|---|---|---|
| Copper, Total | 0.0498 | 0.05 | mg/L | 99.6 | 90.0 - 110 | | 115710050 |
| Copper, Total | 0.0484 | 0.05 | mg/L | 96.8 | 90.0 - 110 | | 115710057 |
| Copper, Total | 0.049 | 0.05 | mg/L | 98.0 | 90.0 - 110 | | 115710061 |
| Copper, Total | 0.0487 | 0.05 | mg/L | 97.4 | 90.0 - 110 | | 115710069 |
| Copper, Total | 0.0475 | 0.05 | mg/L | 95.0 | 90.0 - 110 | | 115710075 |
| Copper, Total | 0.0461 | 0.05 | mg/L | 92.2 | 90.0 - 110 | | 115710081 |
| Copper, Total | 0.0485 | 0.05 | mg/L | 97.0 | 90.0 - 110 | | 115710091 |
| Copper, Total | 0.0469 | 0.05 | mg/L | 93.8 | 90.0 - 110 | | 115710098 |
| Copper, Total | 0.0463 | 0.05 | mg/L | 92.6 | 90.0 - 110 | | 115710107 |
| Copper, Total | 0.0457 | 0.05 | mg/L | 91.4 | 90.0 - 110 | | 115710113 |
| Copper, Total | 0.0464 | 0.05 | mg/L | 92.8 | 90.0 - 110 | | 115710124 |
| Copper, Total | 0.0464 | 0.05 | mg/L | 92.8 | 90.0 - 110 | | 115710135 |
| Copper, Total | 0.0457 | 0.05 | mg/L | 91.4 | 90.0 - 110 | | 115710141 |
| Lead, Total | 0.0489 | 0.05 | mg/L | 97.8 | 90.0 - 110 | | 115710050 |
| Lead, Total | 0.0482 | 0.05 | mg/L | 96.4 | 90.0 - 110 | | 115710057 |
| Lead, Total | 0.0493 | 0.05 | mg/L | 98.6 | 90.0 - 110 | | 115710061 |
| Lead, Total | 0.0495 | 0.05 | mg/L | 99.0 | 90.0 - 110 | | 115710069 |
| Lead, Total | 0.0485 | 0.05 | mg/L | 97.0 | 90.0 - 110 | | 115710075 |
| Lead, Total | 0.0472 | 0.05 | mg/L | 94.4 | 90.0 - 110 | | 115710081 |
| Lead, Total | 0.0461 | 0.05 | mg/L | 92.2 | 90.0 - 110 | | 115710091 |
| Lead, Total | 0.0477 | 0.05 | mg/L | 95.4 | 90.0 - 110 | | 115710098 |
| Lead, Total | 0.0475 | 0.05 | mg/L | 95.0 | 90.0 - 110 | | 115710107 |
| Lead, Total | 0.0489 | 0.05 | mg/L | 97.8 | 90.0 - 110 | | 115710113 |
| Lead, Total | 0.0481 | 0.05 | mg/L | 96.2 | 90.0 - 110 | | 115710124 |
| Lead, Total | 0.0485 | 0.05 | mg/L | 97.0 | 90.0 - 110 | | 115710135 |
| Lead, Total | 0.0488 | 0.05 | mg/L | 97.6 | 90.0 - 110 | | 115710141 |

### ICV

| ***Parameter*** | ***Reading*** | ***Known*** | ***Units*** | ***Recover%*** | ***Limits%*** | ***Out*** | ***File*** |
|---|---|---|---|---|---|---|---|
| Copper, Total | 0.0524 | 0.05 | mg/L | 105 | 90.0 - 110 | | 115710048 |
| Lead, Total | 0.0502 | 0.05 | mg/L | 100 | 90.0 - 110 | | 115710048 |

### LCS

| ***Parameter*** | ***PrepSet*** | ***Reading*** | ***Known*** | ***Units*** | ***Recover%*** | ***Limits*** | ***File*** | ***Out*** |
|---|---|---|---|---|---|---|---|---|
| Copper, Total | 622511 | 0.476 | 0.500 | mg/L | 95.1 | 85.0 - 115 | 115710112 | |
| Lead, Total | 622511 | 0.507 | 0.500 | mg/L | 101 | 85.0 - 115 | 115710112 | |

### LCS Dup

| ***Parameter*** | ***PrepSet*** | ***LCS*** | ***LCSD*** | ***Known*** | ***Limits%*** | ***LCS%*** | ***LCSD%*** | ***Units*** | ***RPD*** | ***Limit%*** |
|---|---|---|---|---|---|---|---|---|---|---|

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Employee Owned Integrity Caring Continual Improvement

# Quality Control

Printed 11/05/2015 

## LCS Dup

| Parameter | PrepSet | LCS | LCSD | | Known | Limits% | LCS% | LCSD% | Units | RPD | Limit% |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Copper, Total | 622511 | 0.476 | 0.477 | | 0.500 | 85.0 - 115 | 95.1 | 95.4 | mg/L | 0.210 | 20.0 |
| Lead, Total | 622511 | 0.507 | 0.502 | | 0.500 | 85.0 - 115 | 101 | 100 | mg/L | 0.991 | 20.0 |

## MS

| Parameter | Sample | MS | MSD | UNK | Known | Limits | MS% | MSD% | Units | RPD | Limit% |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Copper, Total | 1415286 | 0.573 | 0 | 0.0679 | 0.500 | 70.0 - 130 | 101 | | mg/L | | 20.0 |
| Lead, Total | 1415286 | 0.491 | 0 | 0.000935 | 0.500 | 70.0 - 130 | 98.0 | | mg/L | | 20.0 |
| Copper, Total | 1415295 | 0.610 | 0 | 0.120 | 0.500 | 70.0 - 130 | 98.0 | | mg/L | | 20.0 |
| Lead, Total | 1415295 | 0.489 | 0 | 0.00105 | 0.500 | 70.0 - 130 | 97.6 | | mg/L | | 20.0 |

## MSD

| Parameter | Sample | MS | MSD | UNK | Known | Limits | MS% | MSD% | Units | RPD | Limit% |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Copper, Total | 1415286 | 0.573 | 0.547 | 0.0679 | 0.500 | 70.0 - 130 | 101 | 95.8 | mg/L | 5.28 | 20.0 |
| Lead, Total | 1415286 | 0.491 | 0.474 | 0.000935 | 0.500 | 70.0 - 130 | 98.0 | 94.6 | mg/L | 3.53 | 20.0 |
| Copper, Total | 1415295 | 0.610 | 0.620 | 0.120 | 0.500 | 70.0 - 130 | 98.0 | 100 | mg/L | 2.02 | 20.0 |
| Lead, Total | 1415295 | 0.489 | 0.491 | 0.00105 | 0.500 | 70.0 - 130 | 97.6 | 98.0 | mg/L | 0.409 | 20.0 |

RPD is Relative Percent Difference: abs(r1-r2) / mean(r1,r2) * 100% Recover% is Recovery Percent: result / known * 100%

Blank - Method Blank; LCS - Laboratory Control Sample; CCV - Continuing Calibration Verification; MS - Matrix Spike; ICV - Initial Calibration Verification

717918 CoC Print Group 001 of 001

903-539-0752 / CRWT Gerald Denton PO Box 299 Grand Saline 75140

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

LEAD AND COPPER MONITORING – TAP SAMPLE SUBMISSION / CHAIN OF CUSTODY FORM (TSSF) 20683

005057 ☐ CF____
005661 ☐ CF____
003688 ☒ CF -0.1

☐ COMPLIANCE ☐ NON COMPLIANCE

27°C

| TO BE FILLED OUT BY PUBLIC WATER SYSTEM | | TO BE FILLED OUT BY RECEIVING LABORATORY | |
|---|---|---|---|
| PWS ID # | TX 2340021 | LAB ACCREDITATION #: | |
| PWS NAME: | Corinth Water | LAB NAME: | |
| PWS PHONE: | 903 539-8214 | RCVD DATE: | |
| PWS EMAIL: | Sdenton@suddenlink.net | LAB RECEIVING SIGNATURE: | |

**IMPORTANT:** THIS FORM MUST ACCOMPANY THE SAMPLE BOTTLES WHEN THEY ARE SENT TO A LABORATORY. SAMPLES EXPIRE 14 DAYS AFTER COLLECTION. THE LABORATORY IS INSTRUCTED TO REJECT INCOMPLETE FORMS.

*(PWS to fill out – please print in CAPS. Use as many forms as necessary to match bottle collection numbers. Further instructions on back)*

| | SAMPLE POINT ID | SAMPLE SITE LOCATION (location and inside sink) | WATER LAST USED DATE (MMDDYY) | WATER LAST USED TIME (HHMM) | SAMPLE COLLECTED DATE (MMDDYY) | SAMPLE COLLECTED TIME (HHMM) | DATE SUBMITTED TO LAB (MMDDYY) | Bottle Size 1 Liter Y=yes N=no |
|---|---|---|---|---|---|---|---|---|
| | LCR001 (Example) | 5933 Miracle Springs Dr / Kitchen Sink (address must match what is in Drinking Water Watch, Site Selection Form and Monitoring Plan) | 06/24/2015 | 0900 | 06/24/2015 | 1800 | 06/26/2015 | Y |
| 1515304 | LCR 001 | 551 VZCR 1516-Van/Kitchen sink | 08/02/2015 | 7:30 pm | 08/03/2015 | 6:35 AM | 08/03/2015 | Y |
| 1515305 | LCR 003 | 1492 VZCR 1321 Grand Saline/Kitchen sink | 08/02/2015 | 9:40 pm | 08/03/2015 | 7:05 AM | 08/03/2015 | Y |
| 1515306 | LCR 004 | 711 VZCR 1315 Canton Tx/Kitchen sink | 08/02/2015 | 10:20 pm | 08/03/2015 | 6:45 AM | 08/03/2015 | Y |
| 1515307 | LCR 007 | 731 VZCR 1315-Canton Tx/Kitchen sink | 08/02/2015 | 8:30 pm | 08/03/2015 | 4:30 AM | 08/03/2015 | Y |
| 1515308 | LCR 010 | 10025 FM 1255-Grand Saline/Kitchen sink | 08/02/2015 | 9:45 pm | 08/03/2015 | 7:15 AM | 08/03/2015 | Y |
| 1515309 | LCR 006 | 12518 FM 1255-Canton/Kitchen sink | 08/02/2015 | 8:50 pm | 08/03/2015 | 7:20 AM | 08/03/2015 | Y |
| 1515310 | LCR 005 | 331 VZCR 1602-Grand Saline/Kitchen sink | 08/02/2015 | 11:00 pm | 08/03/2015 | 8:15 AM | 08/03/2015 | Y |
| 1515311 | LCR 009 | 3412 FM 1652-Grand Saline/Kitchen sink | 08/02/2015 | 10:40 pm | 08/03/2015 | 8:05 AM | 08/03/2015 | Y |
| 1515312 | LCR 016 | 1745 FM 1652-Grand Saline Tx/Kitchen sink | 08/02/2015 | 9:50 pm | 08/03/2015 | 7:15 AM | 08/03/2015 | Y |
| 1515313 | LCR 015 | 2194 FM 1652-Grand Saline/Kitchen sink | 08/02/2015 | 10:50 pm | 08/03/2015 | 7:50 AM | 08/03/2015 | Y |



Relinquished: Gerald Denton

Received: Gayle Gardner Ana-Lab Gayle Gardner 8/3/15 1630

717918 CoC Print Group 001 of 001

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

LEAD AND COPPER MONITORING – TAP SAMPLE SUBMISSION / CHAIN OF CUSTODY FORM (TSSF) 20683

I acknowledge that the information on this form is true and correct and sites selected for sampling following the PWS Monitoring Plan and that the TCEQ Form 20467 Site Selection and Materials Survey has been filled out and sent in to TCEQ for approval prior to sampling.

Public Water System Signature 8-3-15 Date

INSTRUCTIONS

| | |
|---|---|
| **PWS ID:** | Water System identification number |
| **PWS Name:** | Name of water system |
| **PWS Phone:** | Phone number of water system |
| **PWS Certified Operator:** | Certified Operator or Responsible Person who either took samples or is responsible for the samples |
| **Pages Submitted:** | The # of pages of LCR/site location/ addresses you are including with bottles. Each page has 10 address possibilities. |
| **PWS Email:** | System email for communication purposes |
| **Monitoring Period:** | System's monitoring period 6M, 1 year, 3 year, or 9 year. http://dww.tceq.state.tx.us/DWW/ under Sample Schedules left yellow column. Scroll down to find PBCU schedules – looks like 5/RT 3YR followed by a year (2015). |

**Sample Point ID:**
Texas Drinking Water Watch – Sample Points – LCR numbers are addresses and numbers we currently have on file for the PWS. http://dww.tceq.state.tx.us/DWW/ . Enter the Water System No. Click on the water system number in blue. Click on Sample Points found in yellow left column. Scroll the page down until you see LCR001, LCR002, LCR003, etc. These numbers are to be added to the front page. Each LCR001 has its own address and can't be changed once an address/location has been assigned to it.

*Every system is required to update their PWS Monitoring Plan/Site Selection Form by completing TCEQ Form 20467* ***prior to sampling****. The sampling pool requirements found in Title 30 Texas Administrative Code (30 TAC) §290.117(c) discuss the different Tiers associated with the Lead and Copper Rule Tap Sampling.*

***Example: You have a population of 560 people and are on reduced sampling. You should have 20 LCR numbers and addresses = 10 as routine sample sites and 10 listed as backup sampling sites. This is your sampling pool.*** *Complete TCEQ Form 20467 and send them in prior to sampling. TCEQ will update your Monitoring Plan at the same time. If you go out to sample and find that LCR003 does not want to participate this year, you have 10 other pre-approved sites to pull from LCR011 – LCR020. You are not allowed to swap out a new address with an old LCR003. You must have a new address with a new LCR number. Call if you still have questions.*

**Sample Site Location/Address:**
See above = the site location/address goes with a LCR001 number and is not swapped out at any time. Site location/addresses should be in Tiers according to the years and types of plumbing materials. It is required to use Tier 1 first, followed by Tier 2, followed by Tier 3, and finally – "other". *(30 TAC) §290.117(c)*
**Water Last Used Date:** This comes from the person sampling/homeowner information when you pick up the bottle from them.
**Water Last Used Time:** This comes from the person sampling/homeowner information when you pick up the bottle from them.
**Collection Date:** The date sample was collected by PWS or homeowner. Please use MM/DD/YY format.
**Collection Time:** The time sample was collected by PWS or homeowner. Please use 24 hour clock when reporting HH/MM.
**Date Submitted to Lab:** The date bottles were hand-delivered or overnighted to lab. Please use MM/DD/YY format.
**Bottle Size:** According to regulations, lead and copper samples shall be taken in One Liter bottles only. Please verify this is true or not.

Texas Commission on Environmental Quality
PO BOX 13087, Lead and Copper Program, Austin, Texas 78711-3087 Telephone: 512-239-4691, Fax: 512-239-6050 Email: laurie.gehlsen@tceq.texas.gov