CHEMTECH-FORD
LABORATORIES

4/26/2018

# Work Order: 18D0883
# Project: Butler Middle

**Canyons School District**
**Attn: Kevin Ray**
**9361 South 300 East**
**Sandy, UT 84070**

**Client Service Contact: 801.262.7299**

The analyses presented on this report were performed in accordance with the National Environmental Laboratory Accreditation Program (NELAP) unless noted in the comments, flags, or case narrative. If the report is to be used for regulatory compliance, it should be presented in its entirety, and not be altered.

NELAP ACCREDITED TNI LABORATORY

Approved By:

Dave Gayer, Laboratory Director

CHEMTECH-FORD
LABORATORIES

# Certificate of Analysis

**Lab Sample No.: 18D0883-01**

| | | | |
|---|---|---|---|
| ***Name:*** | **Canyons School District** | ***Sample Date:*** | 4/18/2018 6:09 AM |
| ***Sample Site:*** | Kitchen Prep B-1 | ***Receipt Date:*** | 4/18/2018 9:30 AM |
| ***Comments:*** | | ***Sampler:*** | Client |
| ***Sample Matrix:*** | Drinking Water | ***Project:*** | Butler Middle |
| ***PO Number:*** | | ***System No.:*** | UTAH18000 |
| ***Source Code:*** | ***Sample Point:*** | ***Report to State:*** | |

| Parameter | Sample Result | EPA Max Contaminant Level (MCL) | Minimum Reporting Limit | Units | Analytical Method | Preparation Date/Time | Analysis Date/Time | Flag |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Copper, Total | 0.678 | 1.3 | 0.0010 | mg/L | EPA 200.8 | 04/19/2018 | 04/20/2018 | |
| Iron, Total | ND | 0.3 | 0.02 | mg/L | EPA 200.7 | 04/19/2018 | 04/19/2018 | |
| Lead, Total | 0.0007 | 0.015 | 0.0005 | mg/L | EPA 200.8 | 04/19/2018 | 04/19/2018 | |

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# Certificate of Analysis

**Lab Sample No.: 18D0883-02**

| | | | |
|---|---|---|---|
| ***Name:*** | **Canyons School District** | ***Sample Date:*** | 4/18/2018 6:11 AM |
| ***Sample Site:*** | Auditorium Hall B-2 | ***Receipt Date:*** | 4/18/2018 9:30 AM |
| ***Comments:*** | | ***Sampler:*** | Client |
| ***Sample Matrix:*** | Drinking Water | ***Project:*** | Butler Middle |
| ***PO Number:*** | | ***System No.:*** | UTAH18000 |
| ***Source Code:*** | ***Sample Point:*** | ***Report to State:*** | |

| Parameter | Sample Result | EPA Max Contaminant Level (MCL) | Minimum Reporting Limit | Units | Analytical Method | Preparation Date/Time | Analysis Date/Time | Flag |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Copper, Total | 0.623 | 1.3 | 0.0010 | mg/L | EPA 200.8 | 04/19/2018 | 04/20/2018 | |
| Iron, Total | ND | 0.3 | 0.02 | mg/L | EPA 200.7 | 04/19/2018 | 04/19/2018 | |
| Lead, Total | ND | 0.015 | 0.0005 | mg/L | EPA 200.8 | 04/19/2018 | 04/19/2018 | |

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# Certificate of Analysis

**Lab Sample No.: 18D0883-03**

| | | | |
|---|---|---|---|
| ***Name:*** | **Canyons School District** | ***Sample Date:*** | 4/18/2018 6:13 AM |
| ***Sample Site:*** | Gym Hall B-3 | ***Receipt Date:*** | 4/18/2018 9:30 AM |
| ***Comments:*** | | ***Sampler:*** | Client |
| ***Sample Matrix:*** | Drinking Water | ***Project:*** | Butler Middle |
| ***PO Number:*** | | ***System No.:*** | UTAH18000 |
| ***Source Code:*** | ***Sample Point:*** | ***Report to State:*** | |

| Parameter | Sample Result | EPA Max Contaminant Level (MCL) | Minimum Reporting Limit | Units | Analytical Method | Preparation Date/Time | Analysis Date/Time | Flag |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Copper, Total | 0.790 | 1.3 | 0.0010 | mg/L | EPA 200.8 | 04/19/2018 | 04/20/2018 | |
| Iron, Total | ND | 0.3 | 0.02 | mg/L | EPA 200.7 | 04/19/2018 | 04/19/2018 | |
| Lead, Total | ND | 0.015 | 0.0005 | mg/L | EPA 200.8 | 04/19/2018 | 04/19/2018 | |

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# Certificate of Analysis

**Lab Sample No.: 18D0883-04**

| | | | |
|---|---|---|---|
| ***Name:*** | **Canyons School District** | ***Sample Date:*** | 4/18/2018 6:15 AM |
| ***Sample Site:*** | Gymnasium B-4 | ***Receipt Date:*** | 4/18/2018 9:30 AM |
| ***Comments:*** | | ***Sampler:*** | Client |
| ***Sample Matrix:*** | Drinking Water | ***Project:*** | Butler Middle |
| ***PO Number:*** | | ***System No.:*** | UTAH18000 |
| ***Source Code:*** | ***Sample Point:*** | ***Report to State:*** | |

| Parameter | Sample Result | EPA Max Contaminant Level (MCL) | Minimum Reporting Limit | Units | Analytical Method | Preparation Date/Time | Analysis Date/Time | Flag |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Copper, Total | 1.05 | 1.3 | 0.0010 | mg/L | EPA 200.8 | 04/19/2018 | 04/20/2018 | |
| Iron, Total | ND | 0.3 | 0.02 | mg/L | EPA 200.7 | 04/19/2018 | 04/19/2018 | |
| Lead, Total | ND | 0.015 | 0.0005 | mg/L | EPA 200.8 | 04/19/2018 | 04/19/2018 | |

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# Certificate of Analysis

**Lab Sample No.: 18D0883-05**

| | | | |
|---|---|---|---|
| ***Name:*** | **Canyons School District** | ***Sample Date:*** | 4/18/2018 6:17 AM |
| ***Sample Site:*** | Upper North Hall B-5 | ***Receipt Date:*** | 4/18/2018 9:30 AM |
| ***Comments:*** | | ***Sampler:*** | Client |
| ***Sample Matrix:*** | Drinking Water | ***Project:*** | Butler Middle |
| ***PO Number:*** | | ***System No.:*** | UTAH18000 |
| ***Source Code:*** | ***Sample Point:*** | ***Report to State:*** | |

| Parameter | Sample Result | EPA Max Contaminant Level (MCL) | Minimum Reporting Limit | Units | Analytical Method | Preparation Date/Time | Analysis Date/Time | Flag |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Copper, Total | 0.724 | 1.3 | 0.0010 | mg/L | EPA 200.8 | 04/19/2018 | 04/20/2018 | |
| Iron, Total | ND | 0.3 | 0.02 | mg/L | EPA 200.7 | 04/19/2018 | 04/19/2018 | |
| Lead, Total | ND | 0.015 | 0.0005 | mg/L | EPA 200.8 | 04/19/2018 | 04/19/2018 | |

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# Certificate of Analysis

**Lab Sample No.: 18D0883-06**

| | | | |
|---|---|---|---|
| ***Name:*** | **Canyons School District** | ***Sample Date:*** | 4/18/2018 6:22 AM |
| ***Sample Site:*** | Cafeteria B-6 | ***Receipt Date:*** | 4/18/2018 9:30 AM |
| ***Comments:*** | | ***Sampler:*** | Client |
| ***Sample Matrix:*** | Drinking Water | ***Project:*** | Butler Middle |
| ***PO Number:*** | | ***System No.:*** | UTAH18000 |
| ***Source Code:*** | ***Sample Point:*** | ***Report to State:*** | |

| Parameter | Sample Result | EPA Max Contaminant Level (MCL) | Minimum Reporting Limit | Units | Analytical Method | Preparation Date/Time | Analysis Date/Time | Flag |
|---|---|---|---|---|---|---|---|---|
| **Metals** | | | | | | | | |
| Copper, Total | 0.963 | 1.3 | 0.0010 | mg/L | EPA 200.8 | 04/19/2018 | 04/20/2018 | |
| Iron, Total | ND | 0.3 | 0.02 | mg/L | EPA 200.7 | 04/19/2018 | 04/19/2018 | |
| Lead, Total | 0.0007 | 0.015 | 0.0005 | mg/L | EPA 200.8 | 04/19/2018 | 04/19/2018 | |

# Report Footnotes

**Abbreviations**

ND = Not detected at the corresponding Minimum Reporting Limit.
1 mg/L = one milligram per liter or 1 mg/Kg = one milligram per kilogram = 1 part per million.
1 ug/L = one microgram per liter or 1 ug/Kg = one microgram per kilogram = 1 part per billion.
1 ng/L = one nanogram per liter or 1 ng/Kg = one nanogram per kilogram = 1 part per trillion.

**Data Comparisons**

Values reported in **RED** exceed Primary Drinking Water standards.
Values reported in **BLUE** exceed Secondary Drinking Water standards.
**BLANK** values in the MCL column indicate no standard.

## CHEMTECH - FORD ANALYTICAL LABORATORY

**CHAIN OF CUSTODY**

COMPANY: Canyons School District
ADDRESS: 9361 South 300 East
CITY/STATE/ZIP: Sandy Utah 84070
PHONE #: 801-826-5143 FAX:
CONTACT: Kevin Ray PROJECT: Butler Middle
EMAIL: kevinray@canyonsdistrict.org

BILLING ADDRESS:
BILLING CITY/STATE/ZIP:
PURCHASE ORDER #:
INVOICE EMAIL ADDRESS:

CHEMTECH-FORD LABORATORIES

TURNAROUND REQUIRED:*
* Expedited turnaround subject to additional charge

| Lab Use Only D08883 | CLIENT SAMPLE INFORMATION | | | | | TESTS REQUESTED | | | Bacteria | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | LOCATION / IDENTIFICATION | DATE | TIME | MATRIX | Field: Residual Chlorine | Copper | Iron | Lead | Total Coliform + E. coli (Present/Absent) | Total Coliform + E. coli (Enumerated) | HPC (Plate Count) | E. Coli Only |
| -01 | 1. Kitchen Prep B-1 | 4-18-18 | 06:09 | Water | | | | | | | | |
| -02 | 2. Auditorium Hall B-2 | " | 06:11 | " | | | | | | | | |
| -03 | 3. Gym Hall B-3 | " | 06:13 | " | | | | | | | | |
| -04 | 4. Gymnasium B-4 | " | 06:15 | " | | | | | | | | |
| -05 | 5. Upper North Hall B-5 | " | 06:17 | " | | | | | | | | |
| -06 | 6. Cafeteria B-6 | " | 06:22 | " | | | | | | | | |
| | 7. | | | | | | | | | | | |
| | 8. | | | | | | | | | | | |
| | 9. | | | | | | | | | | | |
| | 10. | | | | | | | | | | | |

Sampled by: [print]
Sampled by: [signature]

ON ICE / NOT ON ICE Temp (C°): 15.4

*Special Instructions:*

Samples received outside the EPA recommended temperature range of 0-6 C° may be rejected.

| | | | |
|---|---|---|---|
| Relinquished by: [signature] | Date/Time 4-19-18 09:30 | Received by: [signature] Matt Mills | Date/Time 4/18/18 9:30 |
| Relinquished by: [signature] | Date/Time | Received by: [signature] | Date/Time |
| Relinquished by: [signature] | Date/Time | Received by: [signature] | Date/Time |

CHEMTECH-FORD
9632 South 500 West
Sandy, UT 84070

801.262.7299 PHONE
866.792.0093 FAX
www.chemtechford.com

*Payment Terms are net 30 days OAC. 1.5% interest charge per month (18% per annum). Client agress to pay collection costs and attorney's fees.*

**Work Order #** D0883

# CHEMTECH FORD LABORATORIES

Sample Receipt

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**Delivery Method:**

- ☐ UPS
- ☐ USPS
- ☐ FedEx
- ☐ Chemtech Courier
- ☒ Walk-in
- ☐ Customer Courier

**Receiving Temperature** 15.4 °C

| Sample # | Container | Chemtech Lot # or Preservative | Number of Subsamples | Preserved by Client/Third Party | Preserved in Receiving/Laboratory | Filtered in Field by Client | Misc Volume (oz/mL) | Comments |
|---|---|---|---|---|---|---|---|---|
| 01-06 | M | 843 | | | | | | |
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## Sample Condition (check if yes)

- ☐ Custody Seals
- ☑ Containers Intact
- ☐ COC/Labels Agree
- ☑ Preservation Confirmed
- ☐ Received on Ice
- ☑ Correct Containers(s)
- ☑ Sufficent Sample Volume
- ☐ Headspace Present (VOC)
- ☐ Temperature Blank
- ☑ Received within Holding Time

## Plastic Containers

A- Plastic Unpreserved
B- Miscellaneous Plastic
C- Cyanide Qt (NaOH)
E- Coliform/Ecoli/HPC
F- Sulfide Qt (Zn Acetate)
L- Mercury 1631
M- Metals Pint (HNO3)
N- Nutrient Pint (H2SO4)
R- Radiological (HNO3)
S- Sludge Cups/Tubs
Q- Plastic Bag

## Glass Containers

D- 625 (Na2S2O3)
G- Glass Unpreserved
H- HAAs (NH4Cl)
J- 508/515/525 (Na2SO3)
K- 515.3 Herbicides
O- Oil & Grease (HCl)
P- Phenols (H2SO4)
T- TOC/TOX (H3PO4)
U- 531 (MCAA, Na2S2O3)
V- 524/THMs (Ascorbic Acid)
W- 8260 VOC (1:1 HCl)
X- Vial Unpreserved
Y- 624/504 (Na2S2O3)
Z- Miscellaneous Glass