



# Final Results

Report To:

Steve Christensen  
DEPT OF NATURAL RESOURCES-OGM (WT1177)  
1594 W NORTH TEMPLE-SUITE 1210  
Salt Lake City, UT 84114

Bill To:

Steve Christensen  
DEPT OF NATURAL RESOURCES-OGM  
1594 W NORTH TEMPLE-SUIT 1210  
Salt Lake City, UT 84114

Project ID: C2018-01486

Steve Christensen,

Your sample(s) submitted to Utah Public Health Laboratory (UPHL) on Monday, April 30, 2018 were assigned the UPHL Project ID **C2018-01486**. Enclosed are the analytical results pertaining to that Project ID.

Herein are the results relating only to the sample(s) received and tested for the project C2018-01486. All associated analyses were performed following the UPHL Quality Assurance Plan. This report and its contents have been reviewed and approved by the appropriate Laboratory Staff and Supervisor(s). This report shall not be reproduced, except in full, without the written permission of UPHL.

If you have any questions regarding your results, please contact UPHL at (801) 965-2400 and reference the Project ID C2018-01486.

A handwritten signature in black ink, appearing to read "Kyle Ashby".

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Reviewed by: Kyle Ashby  
Reviewed on: 5/10/2018



# Project Summary

**Report To:**

Steve Christensen (WT1177)  
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1594 W NORTH TEMPLE-SUITE 1210  
Salt Lake City, UT 84114

**Bill To:**

Steve Christensen  
DEPT OF NATURAL RESOURCES-OGM  
1594 W NORTH TEMPLE-SUIT 1210  
Salt Lake City, UT 84114

Phone: 801-538-5262

Fax: 801-359-3940

E-mail: [stevechristensen@utah.gov](mailto:stevechristensen@utah.gov)

Phone: 801-538-5262

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E-mail: [stevechristensen@utah.gov](mailto:stevechristensen@utah.gov)

Project ID: C2018-01486

<u>Sample #</u>	<u>Date Collected</u>	<u>Date Received</u>	<u>Facility</u>	<u>Sampling Point</u>	<u>Site Description</u>
2122512	04/25/18	04/30/18	N/A	N/A	PRE-002
2122514	04/25/18	04/30/18	N/A	N/A	PRE-002

Facility: N/A Sampling Point: N/A Site Description: PRE-002	
Sample ID: 2122512 Text ID: TCH18-0681 Matrix: Water Bottle Type: Total Chemistry - 1 L unpreserved plastic SDWIS Type: Private Investigative	Date Collected 4/25/2018 10:15:00AM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

**Analysis Method - EPA 375.2**

Analyzed By: Keith Henderson Analysis Date: 05/07/2018 Analysis Batch: EPA375.2-20180507-1 Instrument ID: CHM_LACHAT_02		Reviewed By: Boyd Neilson Reviewed Date: 05/10/2018 Prep Method: Prep Batch: Prep Date:				
Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL
Sulfate	136 mg/L	1		10.2 mg/L	20.00 mg/L	20.0 mg/L

Facility: N/A Sampling Point: N/A Site Description: PRE-002	
Sample ID: 2122514 Text ID: UFL18-0173 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 4/25/2018 10:15:00AM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

**Analysis Method - Turbidity for Metals**

Analyzed By: Stefan Liao Analysis Date: 04/30/2018 Analysis Batch: EPA180.1_M-20180430-1 Instrument ID:		Reviewed By: Kyle Ashby Reviewed Date: 05/02/2018 Prep Method: Prep Batch: Prep Date:				
Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL
Turbidity	<1 NTU	1		0.0382 NTU	1.0 NTU	1.0 NTU

**Analysis Method - EPA 200.8**

Analyzed By: Robert Lo Analysis Date: 04/30/2018 Analysis Batch: EPA200.8-20180501-1 Instrument ID: CHM_AGILENT_7700		Reviewed By: Kyle Ashby Reviewed Date: 05/07/2018 Prep Method: Prep Batch: Prep Date:				
Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL
Aluminum	<10.0 µg/L	1.00	U	5 µg/L	10 µg/L	10.0 µg/L
Selenium	<1.00 µg/L	1.00	U	0.5 µg/L	1 µg/L	1.0 µg/L



# Analytical Report

Project ID: C2018-01486

Facility: N/A Sampling Point: N/A Site Description: PRE-002	
Sample ID: 2122514 (Continued) Text ID: UFL18-0173 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 4/25/2018 10:15:00AM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

**Analysis Method - EPA 200.8**

Analyzed By: Robert Lo Analysis Date: 05/01/2018 Analysis Batch: EPA200.8_M-20180501-1 Instrument ID: CHM_AGILENT_7700	Reviewed By: Kyle Ashby Reviewed Date: 05/07/2018 Prep Method: Prep Batch: Prep Date:
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Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL
Iron	901 µg/L	1.00		15 µg/L	30 µg/L	30.0 µg/L

## Report Comments

This report contains only the results for analyses requested and tested.

Unless otherwise noted:

- Samples were received in acceptable condition.
- Samples have not been blank corrected.
- All Quality Control Samples processed yielded acceptable results.

## Report Symbol Definitions

MDL - Method Detection Limit, a statistically estimated concentration for instrument/method/matrix sensitivity.

MRL - Method Reporting Limit, the minimum concentration that can be reported as a quantitated value.

SRL - Sample Reporting Limit, the minimum concentration that can be reported as a quantitated value taking into account limitations inherent in the sample matrix.

ND - Not Detected, tested result was not detected above MDL or MRL.

< - Less than, tested result is less than the numerical value.

U - Not detected/reported



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Bill To:

Steve Christensen  
DEPT OF NATURAL RESOURCES-OGM  
1594 W NORTH TEMPLE-SUIT 1210  
Salt Lake City, UT 84114

Project ID: C2018-01485

Steve Christensen,

Your sample(s) submitted to Utah Public Health Laboratory (UPHL) on Monday, April 30, 2018 were assigned the UPHL Project ID **C2018-01485**. Enclosed are the analytical results pertaining to that Project ID.

Herein are the results relating only to the sample(s) received and tested for the project C2018-01485. All associated analyses were performed following the UPHL Quality Assurance Plan. This report and its contents have been reviewed and approved by the appropriate Laboratory Staff and Supervisor(s). This report shall not be reproduced, except in full, without the written permission of UPHL.

If you have any questions regarding your results, please contact UPHL at (801) 965-2400 and reference the Project ID C2018-01485.

A handwritten signature in black ink, appearing to read 'Kyle Ashby', written over a horizontal line.

Reviewed by: Kyle Ashby  
Reviewed on: 5/10/2018



# Project Summary

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Project ID: C2018-01485

<u>Sample #</u>	<u>Date Collected</u>	<u>Date Received</u>	<u>Facility</u>	<u>Sampling Point</u>	<u>Site Description</u>
2122511	04/25/18	04/30/18	N/A	N/A	002
2122513	04/25/18	04/30/18	N/A	N/A	002

Facility: N/A Sampling Point: N/A Site Description: 002	
Sample ID: 2122511 Text ID: TCH18-0680 Matrix: Water Bottle Type: Total Chemistry - 1 L unpreserved plastic SDWIS Type: Private Investigative	Date Collected 4/25/2018 10:15:00AM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

**Analysis Method - EPA 375.2**

Analyzed By: Keith Henderson Analysis Date: 05/07/2018 Analysis Batch: EPA375.2-20180507-1 Instrument ID: CHM_LACHAT_02	Reviewed By: Boyd Neilson Reviewed Date: 05/10/2018 Prep Method: Prep Batch: Prep Date:														
<table border="1"> <thead> <tr> <th>Analyte</th> <th>Result</th> <th>Dil Fac</th> <th>Qualifier</th> <th>MDL</th> <th>MRL</th> <th>SRL</th> </tr> </thead> <tbody> <tr> <td>Sulfate</td> <td>132 mg/L</td> <td>1</td> <td></td> <td>10.2 mg/L</td> <td>20.00 mg/L</td> <td>20.0 mg/L</td> </tr> </tbody> </table>	Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL	Sulfate	132 mg/L	1		10.2 mg/L	20.00 mg/L	20.0 mg/L	
Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL									
Sulfate	132 mg/L	1		10.2 mg/L	20.00 mg/L	20.0 mg/L									

Facility: N/A Sampling Point: N/A Site Description: 002	
Sample ID: 2122513 Text ID: UFL18-0172 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 4/25/2018 10:15:00AM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

**Analysis Method - Turbidity for Metals**

Analyzed By: Stefan Liao Analysis Date: 04/30/2018 Analysis Batch: EPA180.1_M-20180430-1 Instrument ID:	Reviewed By: Kyle Ashby Reviewed Date: 05/02/2018 Prep Method: Prep Batch: Prep Date:														
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**Analysis Method - EPA 200.8**

Analyzed By: Robert Lo Analysis Date: 04/30/2018 Analysis Batch: EPA200.8-20180501-1 Instrument ID: CHM_AGILENT_7700	Reviewed By: Kyle Ashby Reviewed Date: 05/07/2018 Prep Method: Prep Batch: Prep Date:														
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Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL									
Selenium	<1.00 µg/L	1.00	U	0.5 µg/L	1 µg/L	1.0 µg/L									



# Analytical Report

Project ID: C2018-01485

Facility: N/A Sampling Point: N/A Site Description: 002	
Sample ID: 2122513 (Continued) Text ID: UFL18-0172 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 4/25/2018 10:15:00AM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

**Analysis Method - EPA 200.8**

Analyzed By: Robert Lo Analysis Date: 04/30/2018 Analysis Batch: EPA200.8-20180501-1 Instrument ID: CHM_AGILENT_7700	Reviewed By: Kyle Ashby Reviewed Date: 05/07/2018 Prep Method: Prep Batch: Prep Date:														
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