



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: C2018-02870

Steve Christensen,

Your sample(s) submitted to Utah Public Health Laboratory (UPHL) on Monday, June 25, 2018 were assigned the UPHL Project ID **C2018-02870**. 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 C2018-02870. 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 C2018-02870.

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

Reviewed by: Kyle Ashby
Reviewed on: 7/6/2018



Project Summary

Report To:

Steve Christensen (WT1177)
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
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Project ID: C2018-02870

<u>Sample #</u>	<u>Date Collected</u>	<u>Date Received</u>	<u>Facility</u>	<u>Sampling Point</u>	<u>Site Description</u>
2133419	06/20/18	06/25/18	N/A	N/A	002
2133421	06/20/18	06/25/18	N/A	N/A	002

Facility: N/A Sampling Point: N/A Site Description: 002	
Sample ID: 2133419 Text ID: TCH18-1257 Matrix: Water Bottle Type: Total Chemistry - 1 L unpreserved plastic SDWIS Type: Private Investigative	Date Collected 6/20/2018 3:00:00PM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - EPA 375.2

Analyzed By: Keith Henderson Analysis Date: 06/29/2018 Analysis Batch: EPA375.2-20180702-1 Instrument ID: CHM_LACHAT_02		Reviewed By: Boyd Neilson Reviewed Date: 07/06/2018 Prep Method: Prep Batch: Prep Date:				
Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL
Sulfate	130 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: 2133421 Text ID: UFL18-0309 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 6/20/2018 3:00:00PM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - Turbidity for Metals

Analyzed By: Analysis Date: Analysis Batch: Instrument ID:		Reviewed By: Kyle Ashby Reviewed Date: 06/28/2018 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: 06/27/2018 Analysis Batch: EPA200.8-20180627-1 Instrument ID: CHM_AGILENT_7700		Reviewed By: Stefan Liao Reviewed Date: 06/27/2018 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

Facility: N/A Sampling Point: N/A Site Description: 002	
Sample ID: 2133421 (Continued) Text ID: UFL18-0309 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 6/20/2018 3:00:00PM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - EPA 200.8

Analyzed By: Robert Lo Analysis Date: 06/26/2018 Analysis Batch: EPA200.8_M-20180627-1 Instrument ID: CHM_AGILENT_7700	Reviewed By: Stefan Liao Reviewed Date: 06/27/2018 Prep Method: Prep Batch: Prep Date:
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Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL
Iron	944 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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Steve Christensen
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1594 W NORTH TEMPLE-SUIT 1210
Salt Lake City, UT 84114

Project ID: C2018-02871

Steve Christensen,

Your sample(s) submitted to Utah Public Health Laboratory (UPHL) on Monday, June 25, 2018 were assigned the UPHL Project ID **C2018-02871**. 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 C2018-02871. 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 C2018-02871.

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

Reviewed by: Kyle Ashby
Reviewed on: 7/6/2018



Project Summary

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Project ID: C2018-02871

<u>Sample #</u>	<u>Date Collected</u>	<u>Date Received</u>	<u>Facility</u>	<u>Sampling Point</u>	<u>Site Description</u>
2133420	06/20/18	06/25/18	N/A	N/A	PRE-002
2133422	06/20/18	06/25/18	N/A	N/A	PRE-002

Facility: N/A Sampling Point: N/A Site Description: PRE-002	
Sample ID: 2133420 Text ID: TCH18-1258 Matrix: Water Bottle Type: Total Chemistry - 1 L unpreserved plastic SDWIS Type: Private Investigative	Date Collected 6/20/2018 3:00:00PM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - EPA 375.2

Analyzed By: Keith Henderson Analysis Date: 06/29/2018 Analysis Batch: EPA375.2-20180702-1 Instrument ID: CHM_LACHAT_02	Reviewed By: Boyd Neilson Reviewed Date: 07/06/2018 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>129 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	129 mg/L	1		10.2 mg/L	20.00 mg/L	20.0 mg/L	
Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL									
Sulfate	129 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: 2133422 Text ID: UFL18-0310 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 6/20/2018 3:00:00PM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - Turbidity for Metals

Analyzed By: Analysis Date: Analysis Batch: Instrument ID:	Reviewed By: Kyle Ashby Reviewed Date: 06/28/2018 Prep Method: Prep Batch: Prep Date:														
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Analysis Method - EPA 200.8

Analyzed By: Robert Lo Analysis Date: 06/27/2018 Analysis Batch: EPA200.8-20180627-1 Instrument ID: CHM_AGILENT_7700	Reviewed By: Stefan Liao Reviewed Date: 06/27/2018 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

Facility: N/A Sampling Point: N/A Site Description: PRE-002	
Sample ID: 2133422 (Continued) Text ID: UFL18-0310 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 6/20/2018 3:00:00PM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - EPA 200.8

Analyzed By: Robert Lo Analysis Date: 06/26/2018 Analysis Batch: EPA200.8_M-20180627-1 Instrument ID: CHM_AGILENT_7700	Reviewed By: Stefan Liao Reviewed Date: 06/27/2018 Prep Method: Prep Batch: Prep Date:
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Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL
Iron	1040 µg/L	1.00		15 µg/L	30 µg/L	30.0 µg/L

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