



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: C2019-05520

Steve Christensen,

Your sample(s) submitted to Utah Public Health Laboratory (UPHL) on Thursday, October 3, 2019 were assigned the UPHL Project ID **C2019-05520**. 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 C2019-05520. 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 C2019-05520.

A handwritten signature in black ink that reads 'R. Cheng'. The signature is written in a cursive style with a horizontal line underneath it.

Reviewed by: Rita Cheng
Reviewed on: 10/23/2019



Project Summary

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Bill To:

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1594 W NORTH TEMPLE-SUIT 1210
Salt Lake City, UT 84114

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Project ID: C2019-05520

<u>Sample #</u>	<u>Date Collected</u>	<u>Date Received</u>	<u>Facility</u>	<u>Sampling Point</u>	<u>Site Description</u>
2212469	10/01/19	10/03/19	N/A	N/A	002
2212471	10/01/19	10/03/19	N/A	N/A	002

Facility: N/A Sampling Point: N/A Site Description: 002	
Sample ID: 2212469 Text ID: TCH19-2506 Matrix: Water Bottle Type: Total Chemistry - 1 L unpreserved plastic SDWIS Type: Private Investigative	Date Collected 10/1/2019 11:45:00AM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - EPA 375.2

Analyzed By: Keith Henderson Analysis Date: 10/18/2019 Analysis Batch: EPA375.2-20191021-2 Instrument ID: CHM_LACHAT_02	Reviewed By: Aoi Kan Reviewed Date: 10/21/2019 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>140 mg/L</td> <td>1</td> <td></td> <td>9.04 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	140 mg/L	1		9.04 mg/L	20.00 mg/L	20.0 mg/L	
Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL									
Sulfate	140 mg/L	1		9.04 mg/L	20.00 mg/L	20.0 mg/L									

Facility: N/A Sampling Point: N/A Site Description: 002	
Sample ID: 2212471 Text ID: UFL19-0478 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 10/1/2019 11:45:00AM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - Turbidity for Metals

Analyzed By: Stefan Liao Analysis Date: 10/03/2019 Analysis Batch: EPA180.1_M-20191003-1 Instrument ID:	Reviewed By: Stefan Liao Reviewed Date: 10/03/2019 Prep Method: Prep Batch: Prep Date:														
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Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL									
Turbidity	<1 NTU	1		.5 NTU	1.0 NTU	1.0 NTU									

Analysis Method - EPA 200.8

Analyzed By: Robert Lo Analysis Date: 10/04/2019 Analysis Batch: EPA200.8-20191004-1 Instrument ID: CHM_AGILENT_7700	Reviewed By: Stefan Liao Reviewed Date: 10/08/2019 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									

Facility: N/A Sampling Point: N/A Site Description: 002	
Sample ID: 2212471 (Continued) Text ID: UFL19-0478 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected: 10/1/2019 11:45:00AM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - EPA 200.8

Analyzed By: Robert Lo Analysis Date: 10/04/2019 Analysis Batch: EPA200.8-20191004-1 Instrument ID: CHM_AGILENT_7700	Reviewed By: Stefan Liao Reviewed Date: 10/08/2019 Prep Method: Prep Batch: Prep Date:														
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Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL									
Aluminum	909 µg/L	10.0		5 µg/L	10 µg/L	100.0 µg/L									

Analysis Method - EPA 200.8

Analyzed By: Robert Lo Analysis Date: 10/04/2019 Analysis Batch: EPA200.8_M-20191004-1 Instrument ID: CHM_AGILENT_7700	Reviewed By: Stefan Liao Reviewed Date: 10/08/2019 Prep Method: Prep Batch: Prep Date:														
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Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL									
Iron	399 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:

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Project ID: C2019-05521

Steve Christensen,

Your sample(s) submitted to Utah Public Health Laboratory (UPHL) on Thursday, October 3, 2019 were assigned the UPHL Project ID **C2019-05521**. 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 C2019-05521. 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 C2019-05521.

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Reviewed on: 10/23/2019



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Project ID: C2019-05521

<u>Sample #</u>	<u>Date Collected</u>	<u>Date Received</u>	<u>Facility</u>	<u>Sampling Point</u>	<u>Site Description</u>
2212470	10/01/19	10/03/19	N/A	N/A	PRE-002
2212472	10/01/19	10/03/19	N/A	N/A	PRE-002

Facility: N/A Sampling Point: N/A Site Description: PRE-002	
Sample ID: 2212470 Text ID: TCH19-2507 Matrix: Water Bottle Type: Total Chemistry - 1 L unpreserved plastic SDWIS Type: Private Investigative	Date Collected 10/1/2019 11:45:00AM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - EPA 375.2

Analyzed By: Keith Henderson Analysis Date: 10/18/2019 Analysis Batch: EPA375.2-20191021-2 Instrument ID: CHM_LACHAT_02	Reviewed By: Aoi Kan Reviewed Date: 10/21/2019 Prep Method: Prep Batch: Prep Date:														
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Sulfate	143 mg/L	1		9.04 mg/L	20.00 mg/L	20.0 mg/L									

Facility: N/A Sampling Point: N/A Site Description: PRE-002	
Sample ID: 2212472 Text ID: UFL19-0479 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 10/1/2019 11:45:00AM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - Turbidity for Metals

Analyzed By: Stefan Liao Analysis Date: 10/03/2019 Analysis Batch: EPA180.1_M-20191003-1 Instrument ID:	Reviewed By: Stefan Liao Reviewed Date: 10/03/2019 Prep Method: Prep Batch: Prep Date:														
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Facility: N/A Sampling Point: N/A Site Description: PRE-002	
Sample ID: 2212472 (Continued) Text ID: UFL19-0479 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 10/1/2019 11:45:00AM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

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Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL
Iron	1320 µg/L	2.00		15 µg/L	30 µg/L	60.0 µg/L

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