



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: C2019-06732

Steve Christensen,

Your sample(s) submitted to Utah Public Health Laboratory (UPHL) on Thursday, December 12, 2019 were assigned the UPHL Project ID **C2019-06732**. 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 C2019-06732. 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 C2019-06732.

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

Reviewed by: Kyle Ashby
Reviewed on: 12/27/2019



Project Summary

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Project ID: C2019-06732

<u>Sample #</u>	<u>Date Collected</u>	<u>Date Received</u>	<u>Facility</u>	<u>Sampling Point</u>	<u>Site Description</u>
2222971	12/11/19	12/12/19	N/A	N/A	002
2222973	12/11/19	12/12/19	N/A	N/A	002

Facility: N/A Sampling Point: N/A Site Description: 002	
Sample ID: 2222971 Text ID: TCH19-3036 Matrix: Water Bottle Type: Total Chemistry - 1 L unpreserved plastic SDWIS Type: Private Investigative	Date Collected 12/11/2019 2:00:00PM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - EPA 375.2

Analyzed By: Keith Henderson Analysis Date: 12/18/2019 Analysis Batch: EPA375.2-20191219-1 Instrument ID: CHM_LACHAT_02	Reviewed By: Aoi Kan Reviewed Date: 12/19/2019 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>142 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	142 mg/L	1		9.04 mg/L	20.00 mg/L	20.0 mg/L	
Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL									
Sulfate	142 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: 2222973 Text ID: UFL19-0546 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 12/11/2019 2:00:00PM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - Turbidity for Metals

Analyzed By: Stefan Liao Analysis Date: 12/13/2019 Analysis Batch: EPA180.1_M-20191213-1 Instrument ID:	Reviewed By: Kyle Ashby Reviewed Date: 12/17/2019 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 200.7

Analyzed By: Stefan Liao Analysis Date: 12/13/2019 Analysis Batch: EPA200.7-20191218-1 Instrument ID: ICAP_7400	Reviewed By: Robert Lo Reviewed Date: 12/27/2019 Prep Method: Prep Batch: Prep Date:														
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Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL									
Iron	186 µg/L	1.00		15 µg/L	30 µg/L	30.0 µg/L									

Analytical Report

Facility: N/A Sampling Point: N/A Site Description: 002	
Sample ID: 2222973 (Continued) Text ID: UFL19-0546 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected: 12/11/2019 2:00:00PM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - EPA 200.8

Analyzed By: Nathaniel Masson Analysis Date: 12/17/2019 Analysis Batch: EPA200.8-20191218-1 Instrument ID: CHM_AGILENT_7700	Reviewed By: Kyle Ashby Reviewed Date: 12/20/2019 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									

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Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL									
Aluminum	849 µg/L	4.00		5 µg/L	10 µg/L	40.0 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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Project ID: C2019-06733

Steve Christensen,

Your sample(s) submitted to Utah Public Health Laboratory (UPHL) on Thursday, December 12, 2019 were assigned the UPHL Project ID **C2019-06733**. Enclosed are the analytical results pertaining to that Project ID.

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Project ID: C2019-06733

<u>Sample #</u>	<u>Date Collected</u>	<u>Date Received</u>	<u>Facility</u>	<u>Sampling Point</u>	<u>Site Description</u>
2222972	12/11/19	12/12/19	N/A	N/A	PRE-002
2222974	12/11/19	12/12/19	N/A	N/A	PRE-002

Facility: N/A Sampling Point: N/A Site Description: PRE-002	
Sample ID: 2222972 Text ID: TCH19-3037 Matrix: Water Bottle Type: Total Chemistry - 1 L unpreserved plastic SDWIS Type: Private Investigative	Date Collected 12/11/2019 2:00:00PM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - EPA 375.2

Analyzed By: Keith Henderson Analysis Date: 12/18/2019 Analysis Batch: EPA375.2-20191219-1 Instrument ID: CHM_LACHAT_02	Reviewed By: Aoi Kan Reviewed Date: 12/19/2019 Prep Method: Prep Batch: Prep Date:														
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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: PRE-002	
Sample ID: 2222974 Text ID: UFL19-0547 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 12/11/2019 2:00:00PM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - Turbidity for Metals

Analyzed By: Stefan Liao Analysis Date: 12/13/2019 Analysis Batch: EPA180.1_M-20191213-1 Instrument ID:	Reviewed By: Kyle Ashby Reviewed Date: 12/17/2019 Prep Method: Prep Batch: Prep Date:														
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Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL									
Iron	795 µg/L	1.00		15 µg/L	30 µg/L	30.0 µg/L									

Analytical Report

Facility: N/A Sampling Point: N/A Site Description: PRE-002	
Sample ID: 2222974 (Continued) Text ID: UFL19-0547 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected: 12/11/2019 2:00:00PM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - EPA 200.8

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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

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