



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: C2018-05729

Steve Christensen,

Your sample(s) submitted to Utah Public Health Laboratory (UPHL) on Friday, September 28, 2018 were assigned the UPHL Project ID **C2018-05729**. 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 C2018-05729. 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 C2018-05729.

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

Reviewed by: Kyle Ashby
Reviewed on: 10/11/2018



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
Salt Lake City, UT 84114

Phone: 801-538-5262

Fax: 801-359-3940

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Fax: 801-539-3940

E-mail: stevechristensen@utah.gov

Project ID: C2018-05729

<u>Sample #</u>	<u>Date Collected</u>	<u>Date Received</u>	<u>Facility</u>	<u>Sampling Point</u>	<u>Site Description</u>
2153370	09/26/18	09/27/18	N/A	N/A	002
2153372	09/26/18	09/27/18	N/A	N/A	002

Facility: N/A Sampling Point: N/A Site Description: 002	
Sample ID: 2153370 Text ID: TCH18-2314 Matrix: Water Bottle Type: Total Chemistry - 1 L unpreserved plastic SDWIS Type: Private Investigative	Date Collected 9/26/2018 1:00:00PM Collected By: JUSTIN EATCHEL COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - EPA 375.2

Analyzed By: Keith Henderson Analysis Date: 10/09/2018 Analysis Batch: EPA375.2-20181009-1 Instrument ID: CHM_LACHAT_02		Reviewed By: Boyd Neilson Reviewed Date: 10/11/2018 Prep Method: Prep Batch: Prep Date:				
Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL
Sulfate	124 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: 2153372 Text ID: UFL18-0597 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 9/26/2018 1:00:00PM Collected By: JUSTIN EATCHEL 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: 10/01/2018 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: 10/01/2018 Analysis Batch: EPA200.8-20181002-1 Instrument ID: CHM_AGILENT_7700		Reviewed By: Stefan Liao Reviewed Date: 10/02/2018 Prep Method: Prep Batch: Prep Date:				
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: 002	
Sample ID: 2153372 (Continued) Text ID: UFL18-0597 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 9/26/2018 1:00:00PM Collected By: JUSTIN EATCHEL COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - EPA 200.8

Analyzed By: Robert Lo Analysis Date: 10/01/2018 Analysis Batch: EPA200.8-20181002-1 Instrument ID: CHM_AGILENT_7700	Reviewed By: Stefan Liao Reviewed Date: 10/02/2018 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>Aluminum</td> <td>1240 µg/L</td> <td>10.0</td> <td></td> <td>5 µg/L</td> <td>10 µg/L</td> <td>100.0 µg/L</td> </tr> </tbody> </table>	Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL	Aluminum	1240 µg/L	10.0		5 µg/L	10 µg/L	100.0 µg/L	
Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL									
Aluminum	1240 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: 10/01/2018 Analysis Batch: EPA200.8_M-20181001-1 Instrument ID: CHM_AGILENT_7700	Reviewed By: Stefan Liao Reviewed Date: 10/02/2018 Prep Method: Prep Batch: Prep Date:														
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Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL									
Iron	289 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



Final Results

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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: C2018-05730

Steve Christensen,

Your sample(s) submitted to Utah Public Health Laboratory (UPHL) on Friday, September 28, 2018 were assigned the UPHL Project ID **C2018-05730**. 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 C2018-05730. 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 C2018-05730.

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

Reviewed by: Kyle Ashby
Reviewed on: 10/11/2018



Project Summary

Report To:

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E-mail: stevechristensen@utah.gov

Project ID: C2018-05730

<u>Sample #</u>	<u>Date Collected</u>	<u>Date Received</u>	<u>Facility</u>	<u>Sampling Point</u>	<u>Site Description</u>
2153371	09/26/18	09/27/18	N/A	N/A	PRE-002
2153373	09/26/18	09/27/18	N/A	N/A	PRE-002

Facility: N/A Sampling Point: N/A Site Description: PRE-002	
Sample ID: 2153371 Text ID: TCH18-2315 Matrix: Water Bottle Type: Total Chemistry - 1 L unpreserved plastic SDWIS Type: Private Investigative	Date Collected 9/26/2018 1:00:00PM Collected By: JUSTIN EATCHEL COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - EPA 375.2

Analyzed By: Keith Henderson Analysis Date: 10/09/2018 Analysis Batch: EPA375.2-20181009-1 Instrument ID: CHM_LACHAT_02	Reviewed By: Boyd Neilson Reviewed Date: 10/11/2018 Prep Method: Prep Batch: Prep Date:														
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Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL									
Sulfate	123 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: 2153373 Text ID: UFL18-0598 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 9/26/2018 1:00:00PM Collected By: JUSTIN EATCHEL 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: 10/01/2018 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>Turbidity</td> <td><1 NTU</td> <td>1</td> <td></td> <td>0.0382 NTU</td> <td>1.0 NTU</td> <td>1.0 NTU</td> </tr> </tbody> </table>	Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL	Turbidity	<1 NTU	1		0.0382 NTU	1.0 NTU	1.0 NTU	
Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL									
Turbidity	<1 NTU	1		0.0382 NTU	1.0 NTU	1.0 NTU									

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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: 2153373 (Continued) Text ID: UFL18-0598 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 9/26/2018 1:00:00PM Collected By: JUSTIN EATCHEL 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
Iron	966 µg/L	1.00		15 µg/L	30 µg/L	30.0 µg/L

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