



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: C2017-06348

Steve Christensen,

Your sample(s) submitted to Utah Public Health Laboratory (UPHL) on Monday, October 30, 2017 were assigned the UPHL Project ID **C2017-06348**. 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 C2017-06348. 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 C2017-06348.

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

Reviewed by: Ed Harrison
Reviewed on: 11/15/2017



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
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Project ID: C2017-06348

<u>Sample #</u>	<u>Date Collected</u>	<u>Date Received</u>	<u>Facility</u>	<u>Sampling Point</u>	<u>Site Description</u>
2095175	10/26/17	10/30/17	N/A	N/A	002
2095176	10/26/17	10/30/17	N/A	N/A	002

Facility: N/A Sampling Point: N/A Site Description: 002	
Sample ID: 2095175 Text ID: TCH17-2919 Matrix: Water Bottle Type: Total Chemistry - 1 L unpreserved plastic SDWIS Type: Private Investigative	Date Collected 10/26/2017 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: 11/06/2017 Analysis Batch: EPA375.2-20171106-1 Instrument ID: CHM_LACHAT_02	Reviewed By: Boyd Neilson Reviewed Date: 11/13/2017 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>12.4 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		12.4 mg/L	20.00 mg/L	20.0 mg/L	
Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL									
Sulfate	140 mg/L	1		12.4 mg/L	20.00 mg/L	20.0 mg/L									

Facility: N/A Sampling Point: N/A Site Description: 002	
Sample ID: 2095176 Text ID: UFL17-0482 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 10/26/2017 2:00:00PM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - Turbidity for Metals

Analyzed By: David Schoettmer Analysis Date: 10/30/2017 Analysis Batch: EPA180.1_M-20171030-1 Instrument ID:	Reviewed By: Ed Harrison Reviewed Date: 11/15/2017 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									

Analysis Method - EPA 200.8

Analyzed By: Robert Lo Analysis Date: 11/01/2017 Analysis Batch: EPA200.8-20171101-1 Instrument ID: CHM_AGILENT_7700	Reviewed By: David Schoettmer Reviewed Date: 11/08/2017 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>597 µg/L</td> <td>1.00</td> <td></td> <td>5 µg/L</td> <td>10 µg/L</td> <td>10.0 µg/L</td> </tr> </tbody> </table>	Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL	Aluminum	597 µg/L	1.00		5 µg/L	10 µg/L	10.0 µg/L	
Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL									
Aluminum	597 µg/L	1.00		5 µg/L	10 µg/L	10.0 µg/L									



Analytical Report

Project ID: C2017-06348

Facility: N/A Sampling Point: N/A Site Description: 002	
Sample ID: 2095176 (Continued) Text ID: UFL17-0482 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 10/26/2017 2:00:00PM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - EPA 200.8

Analyzed By: Robert Lo Analysis Date: 10/31/2017 Analysis Batch: EPA200.8_M-20171101-1 Instrument ID: CHM_AGILENT_7700	Reviewed By: David Schoettmer Reviewed Date: 11/03/2017 Prep Method: Prep Batch: Prep Date:
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Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL
Iron	170 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.



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: C2017-06349

Steve Christensen,

Your sample(s) submitted to Utah Public Health Laboratory (UPHL) on Monday, October 30, 2017 were assigned the UPHL Project ID **C2017-06349**. 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 C2017-06349. 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 C2017-06349.

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

Reviewed by: Ed Harrison
Reviewed on: 11/15/2017



Project Summary

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Project ID: C2017-06349

<u>Sample #</u>	<u>Date Collected</u>	<u>Date Received</u>	<u>Facility</u>	<u>Sampling Point</u>	<u>Site Description</u>
2095177	10/26/17	10/30/17	N/A	N/A	PRE-002
2095178	10/26/17	10/30/17	N/A	N/A	PRE-002

Facility: N/A Sampling Point: N/A Site Description: PRE-002	
Sample ID: 2095177 Text ID: TCH17-2920 Matrix: Water Bottle Type: Total Chemistry - 1 L unpreserved plastic SDWIS Type: Private Investigative	Date Collected 10/26/2017 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: 11/06/2017 Analysis Batch: EPA375.2-20171106-1 Instrument ID: CHM_LACHAT_02	Reviewed By: Boyd Neilson Reviewed Date: 11/13/2017 Prep Method: Prep Batch: Prep Date:														
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Sulfate	141 mg/L	1		12.4 mg/L	20.00 mg/L	20.0 mg/L									

Facility: N/A Sampling Point: N/A Site Description: PRE-002	
Sample ID: 2095178 Text ID: UFL17-0483 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 10/26/2017 2:00:00PM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

Analysis Method - Turbidity for Metals

Analyzed By: David Schoettmer Analysis Date: 10/30/2017 Analysis Batch: EPA180.1_M-20171030-1 Instrument ID:	Reviewed By: Ed Harrison Reviewed Date: 11/15/2017 Prep Method: Prep Batch: Prep Date:														
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Analyzed By: Robert Lo Analysis Date: 10/31/2017 Analysis Batch: EPA200.8_M-20171101-1 Instrument ID: CHM_AGILENT_7700	Reviewed By: David Schoettmer Reviewed Date: 11/03/2017 Prep Method: Prep Batch: Prep Date:														
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Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL									
Iron	1120 µg/L	1.00		15 µg/L	30 µg/L	30.0 µg/L									

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