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: C2020-00318

Steve Christensen,

Your sample(s) submitted to Utah Public Health Laboratory (UPHL) on Tuesday, January 28, 2020 were assigned the UPHL Project ID **C2020-00318**. 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 C2020-00318. 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 C2020-00318.

Reviewed by: Kyle Ashby
Reviewed on: 2/14/2020

Project Summary

Report To:
Steve Christensen (WT1177)
DEPT OF NATURAL RESOURCES-OGM (WT1177)
1594 W NORTH TEMPLE-SUITE 1210
Salt Lake City, UT 84114

Phone: 801-538-5262
Fax: 801-359-3940
E-mail: stevechristensen@utah.gov

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: 801-539-3940
E-mail: stevechristensen@utah.gov

Project ID: C2020-00318

Sample #	Date Collected	Date Received	Facility	Sampling Point	Site Description
2228015	01/28/20	01/28/20	N/A	N/A	002
2228017	01/28/20	01/28/20	N/A	N/A	002

UTAH DEPARTMENT OF HEALTH

Analytical Report

Facility:	N/A		
Sampling Point:	N/A		
Site Description:	002		
Sample ID:	2228015	Date Collected	1/28/2020 12:00:00PM
Text ID:	TCH20-0137	Collected By:	JE
Matrix:	Water	COC Initiated:	Yes
Bottle Type:	Total Chemistry - 1 L unpreserved plastic	Condition of Seal:	Not Present
SDWIS Type:	Private Investigative		

Analysis Method - EPA 375.2

Analyzed By:	Keith Henderson	Reviewed By:	Aoi Kan
Analysis Date:	02/13/2020	Reviewed Date:	02/14/2020
Analysis Batch:	EPA375.2-20200213-1	Prep Method:	
Instrument ID:	CHM_LACHAT_02	Prep Batch:	
		Prep Date:	

Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL
Sulfate	137 mg/L	1		11.1 mg/L	20.00 mg/L	20.0 mg/L

Facility:	N/A		
Sampling Point:	N/A		
Site Description:	002		
Sample ID:	2228017	Date Collected	1/28/2020 12:00:00PM
Text ID:	UFL20-0058	Collected By:	JE
Matrix:	Water, Non-filtered	COC Initiated:	Yes
Bottle Type:	UnFiltered water for Drinking Water	Condition of Seal:	Not Present
SDWIS Type:	Private Investigative		

Analysis Method - Turbidity for Metals

Analyzed By:	Robert Lo	Reviewed By:	Robert Lo
Analysis Date:	01/31/2020	Reviewed Date:	02/05/2020
Analysis Batch:	EPA180.1_M-20200205-1	Prep Method:	
Instrument ID:		Prep Batch:	
		Prep Date:	

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	Reviewed By:	Stefan Liao
Analysis Date:	01/31/2020	Reviewed Date:	02/06/2020
Analysis Batch:	EPA200.8-20200205-1	Prep Method:	
Instrument ID:	CHM_AGILENT_7700	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
Aluminum	28.3 µg/L	1.00		5 µg/L	10 µg/L	10.0 µg/L

UTAH DEPARTMENT OF HEALTH

Analytical Report

Facility:	N/A
Sampling Point:	N/A
Site Description:	002

Sample ID:	2228017 (Continued)	Date Collected	1/28/2020 12:00:00PM
Text ID:	UFL20-0058	Collected By:	JE
Matrix:	Water, Non-filtered	COC Initiated:	Yes
Bottle Type:	UnFiltered water for Drinking Water	Condition of Seal:	Not Present
SDWIS Type:	Private Investigative		

Analysis Method - EPA 200.8

Analyzed By:	Robert Lo	Reviewed By:	Stefan Liao
Analysis Date:	01/31/2020	Reviewed Date:	02/06/2020
Analysis Batch:	EPA200.8_M-20200205-1	Prep Method:	
Instrument ID:	CHM_AGILENT_7700	Prep Batch:	
		Prep Date:	

Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL
Iron	785 µg/L	1.00		15 µg/L	30 µg/L	30.0 µg/L

Report Notes

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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Salt Lake City, UT 84114

Project ID: C2020-00319

Steve Christensen,

Your sample(s) submitted to Utah Public Health Laboratory (UPHL) on Tuesday, January 28, 2020 were assigned the UPHL Project ID **C2020-00319**. 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 C2020-00319. 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 C2020-00319.

Reviewed by: Kyle Ashby
Reviewed on: 2/14/2020

Project Summary

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Steve Christensen (WT1177)
DEPT OF NATURAL RESOURCES-OGM (WT1177)
1594 W NORTH TEMPLE-SUITE 1210
Salt Lake City, UT 84114

Phone: 801-538-5262
Fax: 801-359-3940
E-mail: stevechristensen@utah.gov

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DEPT OF NATURAL RESOURCES-OGM
1594 W NORTH TEMPLE-SUIT 1210
Salt Lake City, UT 84114

Phone: 801-538-5262
Fax: 801-539-3940
E-mail: stevechristensen@utah.gov

Project ID: C2020-00319

Sample #	Date Collected	Date Received	Facility	Sampling Point	Site Description
2228016	01/28/20	01/28/20	N/A	N/A	PRE-002
2228018	01/28/20	01/28/20	N/A	N/A	PRE-002

UTAH DEPARTMENT OF HEALTH

Analytical Report

Facility:	N/A		
Sampling Point:	N/A		
Site Description:	PRE-002		
Sample ID:	2228016	Date Collected	1/28/2020 12:00:00PM
Text ID:	TCH20-0138	Collected By:	JE
Matrix:	Water	COC Initiated:	Yes
Bottle Type:	Total Chemistry - 1 L unpreserved plastic	Condition of Seal:	Not Present
SDWIS Type:	Private Investigative		

Analysis Method - EPA 375.2

Analyzed By:	Keith Henderson	Reviewed By:	Aoi Kan
Analysis Date:	02/13/2020	Reviewed Date:	02/14/2020
Analysis Batch:	EPA375.2-20200213-1	Prep Method:	
Instrument ID:	CHM_LACHAT_02	Prep Batch:	
		Prep Date:	

Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL
Sulfate	132 mg/L	1		11.1 mg/L	20.00 mg/L	20.0 mg/L

Facility:	N/A		
Sampling Point:	N/A		
Site Description:	PRE-002		
Sample ID:	2228018	Date Collected	1/28/2020 12:00:00PM
Text ID:	UFL20-0059	Collected By:	JE
Matrix:	Water, Non-filtered	COC Initiated:	Yes
Bottle Type:	UnFiltered water for Drinking Water	Condition of Seal:	Not Present
SDWIS Type:	Private Investigative		

Analysis Method - Turbidity for Metals

Analyzed By:	Robert Lo	Reviewed By:	Robert Lo
Analysis Date:	01/31/2020	Reviewed Date:	02/05/2020
Analysis Batch:	EPA180.1_M-20200205-1	Prep Method:	
Instrument ID:		Prep Batch:	
		Prep Date:	

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	Reviewed By:	Stefan Liao
Analysis Date:	01/31/2020	Reviewed Date:	02/06/2020
Analysis Batch:	EPA200.8-20200205-1	Prep Method:	
Instrument ID:	CHM_AGILENT_7700	Prep Batch:	
		Prep Date:	

Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL
Selenium	<1.00 µg/L	1.00	U, S	0.5 µg/L	1 µg/L	1.0 µg/L

UTAH DEPARTMENT OF HEALTH

Analytical Report

Facility:	N/A
Sampling Point:	N/A
Site Description:	PRE-002

Sample ID:	2228018 (Continued)	Date Collected	1/28/2020 12:00:00PM
Text ID:	UFL20-0059	Collected By:	JE
Matrix:	Water, Non-filtered	COC Initiated:	Yes
Bottle Type:	UnFiltered water for Drinking Water	Condition of Seal:	Not Present
SDWIS Type:	Private Investigative		

Analysis Method - EPA 200.8

Analyzed By:	Robert Lo	Reviewed By:	Stefan Liao
Analysis Date:	01/31/2020	Reviewed Date:	02/06/2020
Analysis Batch:	EPA200.8_M-20200205-1	Prep Method:	
Instrument ID:	CHM_AGILENT_7700	Prep Batch:	
		Prep Date:	

Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL
Iron	855 µg/L	1.00		15 µg/L	30 µg/L	30.0 µg/L

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< - Less than, tested result is less than the numerical value.
S - Spiked sample recovery not within control limits.
U - Not detected/reported

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