



9/7/2016

Work Order: 16H1698

**American Fork City
Attn: Jay Brems
270 East 200 North
American Fork, UT 84003**

Client Service Contact: 801.262.7299

The analyses presented on this report were performed in accordance with the National Environmental Laboratory Accreditation Program (NELAP) unless noted in the comments, flags or case narrative. If the report is to be used for regulatory compliance, it should be presented in its entirety, and not be altered.



Approved By:

Dave Gayer, Laboratory Director



Certificate of Analysis

Lab Sample No.: 16H1698-01

Name: American Fork City	Sample Date: 8/31/2016 8:30 AM
Sample Site: FT #16	Receipt Date: 8/31/2016 10:00 AM
Comments:	Sampler: Jay Brems
Sample Matrix: Water	Project:
PO Number:	System No.: UTAH25008
Source Code:	Report to State: N
Sample Point:	

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic								
Turbidity	9.0	5	0.02	NTU	EPA 180.1	08/31/2016 16:00	8/31/2016 16:00	
Metals								
Antimony, Total	0.0005	0.006	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:22	
Arsenic, Total	0.0026	0.01	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:22	
Barium, Total	0.080	2	0.005	mg/L	EPA 200.7	09/06/2016 12:30	9/6/2016 18:38	
Beryllium, Total	ND	0.004	0.001	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:38	
Calcium, Total	54.2		0.2	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:38	
Cadmium, Total	ND	0.005	0.0002	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:22	
Chromium, Total	0.0005	0.1	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:22	
Copper, Total	0.0017	1.3	0.0010	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:22	
Iron, Total	0.32	0.3	0.02	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:38	
Lead, Total	0.0064	0.015	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:22	
Mercury, Total	ND	0.002	0.0002	mg/L	EPA 245.1	09/06/2016 14:00	9/6/2016 18:11	
Magnesium, Total	17.3		0.2	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:38	
Manganese, Total	0.032	0.05	0.005	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:38	
Molybdenum, Total	0.0012		0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:22	
Nickel, Total	0.0048	0.1	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:22	
Potassium, Total	1.4		0.5	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:38	
Selenium, Total	0.0006	0.05	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:22	
Silver, Total	ND	0.1	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:22	
Sodium, Total	8.0		0.5	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:38	
Thallium, Total	ND	0.002	0.0002	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:22	
Zinc, Total	0.01	5	0.01	mg/L	EPA 200.7	09/03/2016 09:30	9/7/2016 13:34	



Certificate of Analysis

Lab Sample No.: 16H1698-02

Name: American Fork City	Sample Date: 8/31/2016 8:45 AM
Sample Site: FT #7	Receipt Date: 8/31/2016 10:00 AM
Comments:	Sampler: Jay Brems
Sample Matrix: Water	Project:
PO Number:	System No.: UTAH25008
Source Code:	Report to State:
Sample Point:	

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic								
Turbidity	26	5	0.02	NTU	EPA 180.1	08/31/2016 16:00	8/31/2016 16:00	
Metals								
Antimony, Total	0.0007	0.006	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:26	
Arsenic, Total	0.0037	0.01	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:26	
Barium, Total	0.086	2	0.005	mg/L	EPA 200.7	09/06/2016 12:30	9/6/2016 18:49	
Beryllium, Total	ND	0.004	0.001	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:49	
Calcium, Total	57.4		0.2	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:49	
Cadmium, Total	0.0003	0.005	0.0002	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:26	
Chromium, Total	0.0010	0.1	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:26	
Copper, Total	0.0057	1.3	0.0010	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:26	
Iron, Total	1.04	0.3	0.02	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:49	
Lead, Total	0.0203	0.015	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:26	
Mercury, Total	ND	0.002	0.0002	mg/L	EPA 245.1	09/06/2016 14:00	9/6/2016 18:11	
Magnesium, Total	17.9		0.2	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:49	
Manganese, Total	0.108	0.05	0.005	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:49	
Molybdenum, Total	0.0011		0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:26	
Nickel, Total	0.0060	0.1	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:26	
Potassium, Total	1.7		0.5	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:49	
Selenium, Total	0.0008	0.05	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:26	
Silver, Total	ND	0.1	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:26	
Sodium, Total	8.2		0.5	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:49	
Thallium, Total	ND	0.002	0.0002	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:26	
Zinc, Total	0.03	5	0.01	mg/L	EPA 200.7	09/03/2016 09:30	9/7/2016 13:45	



Certificate of Analysis

Lab Sample No.: 16H1698-03

Name: American Fork City	Sample Date: 8/31/2016 9:00 AM
Sample Site: Lower P.I. Pond	Receipt Date: 8/31/2016 10:00 AM
Comments:	Sampler: Jay Brems
Sample Matrix: Water	Project:
PO Number:	System No.: UTAH25008
Source Code:	Report to State:
Sample Point:	

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic								
Turbidity	7.6	5	0.02	NTU	EPA 180.1	08/31/2016 16:00	8/31/2016 16:00	
Metals								
Antimony, Total	0.0005	0.006	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:34	
Arsenic, Total	0.0023	0.01	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:34	
Barium, Total	0.078	2	0.005	mg/L	EPA 200.7	09/06/2016 12:30	9/6/2016 18:53	
Beryllium, Total	ND	0.004	0.001	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:53	
Calcium, Total	53.8		0.2	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:53	
Cadmium, Total	0.0002	0.005	0.0002	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:34	
Chromium, Total	0.0006	0.1	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:34	
Copper, Total	0.0016	1.3	0.0010	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:34	
Iron, Total	0.20	0.3	0.02	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:53	
Lead, Total	0.0039	0.015	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:34	
Mercury, Total	ND	0.002	0.0002	mg/L	EPA 245.1	09/06/2016 14:00	9/6/2016 18:11	
Magnesium, Total	17.1		0.2	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:53	
Manganese, Total	0.017	0.05	0.005	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:53	
Molybdenum, Total	0.0012		0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:34	
Nickel, Total	0.0048	0.1	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:34	
Potassium, Total	1.4		0.5	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:53	
Selenium, Total	0.0006	0.05	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:34	
Silver, Total	ND	0.1	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:34	
Sodium, Total	8.0		0.5	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:53	
Thallium, Total	ND	0.002	0.0002	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:34	
Zinc, Total	ND	5	0.01	mg/L	EPA 200.7	09/03/2016 09:30	9/7/2016 13:48	



Certificate of Analysis

Lab Sample No.: 16H1698-04

Name: American Fork City	Sample Date: 8/31/2016 9:15 AM
Sample Site: Mitchell Hollow FT	Receipt Date: 8/31/2016 10:00 AM
Comments:	Sampler: Jay Brems
Sample Matrix: Water	Project:
PO Number:	System No.: UTAH25008
Source Code:	Report to State:
Sample Point:	

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic								
Turbidity	20	5	0.02	NTU	EPA 180.1	08/31/2016 16:00	8/31/2016 16:00	
Metals								
Antimony, Total	0.0006	0.006	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:38	
Arsenic, Total	0.0030	0.01	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:38	
Barium, Total	0.068	2	0.005	mg/L	EPA 200.7	09/06/2016 12:30	9/6/2016 18:57	
Beryllium, Total	ND	0.004	0.001	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:57	
Calcium, Total	59.7		0.2	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:57	
Cadmium, Total	ND	0.005	0.0002	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:38	
Chromium, Total	0.0005	0.1	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:38	
Copper, Total	0.0020	1.3	0.0010	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:38	
Iron, Total	0.47	0.3	0.02	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:57	
Lead, Total	0.0070	0.015	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:38	
Mercury, Total	ND	0.002	0.0002	mg/L	EPA 245.1	09/06/2016 14:00	9/6/2016 18:11	
Magnesium, Total	16.7		0.2	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:57	
Manganese, Total	0.034	0.05	0.005	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:57	
Molybdenum, Total	0.0013		0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:38	
Nickel, Total	0.0054	0.1	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:38	
Potassium, Total	1.3		0.5	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:57	
Selenium, Total	0.0009	0.05	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:38	
Silver, Total	ND	0.1	0.0005	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:38	
Sodium, Total	7.2		0.5	mg/L	EPA 200.7	09/03/2016 09:30	9/6/2016 18:57	
Thallium, Total	ND	0.002	0.0002	mg/L	EPA 200.8	09/03/2016 09:30	9/6/2016 16:38	
Zinc, Total	0.01	5	0.01	mg/L	EPA 200.7	09/03/2016 09:30	9/7/2016 13:52	

DRINKING WATER SAMPLES ONLY

CHEMTECH - FORD ANALYTICAL LABORATORY

CHAIN OF CUSTODY

COMPANY: American Fork City
 ADDRESS: 270 E. 200 N.
 CITY/STATE/ZIP: American Fork UT 84003
 PHONE #: 801-464-6129 FAX: _____
 CONTACT: Jay Bruns PROJECT: _____
 EMAIL: jbruns@afcity.net

BILLING ADDRESS: _____
 BILLING CITY/STATE/ZIP: _____
 PURCHASE ORDER #: _____



CHEMTECH-FORD
LABORATORIES

TURNAROUND REQUIRED:* _____
 * Expedited turnaround subject to additional charge

STATE SYSTEM #
25008

SEND TO STATE?
 YES NO

TESTS REQUESTED										Bacteria			
										Total Coliform + E. coli (Enumerated)	Total Coliform + E. coli (Enumerated)	HPC (Plate Count)	R = Routine I = Investigative TR = Trigger Source REPEAT OR = Original Location UP = Upstream DN = Downstream LAB FAIL Ref #

3 DAY 9/6/16
RUSH
 S-8194, ULINE, 800-295-5510

All metals
 Turbidity

Lab Use Only	CLIENT SAMPLE INFORMATION					
	LOCATION	DATE	TIME	FACILITY ID (source code)	POINT CODE (DBP)	Field: Residual Chlorine
H1698 01	1. FT #16	8/31/16	8:30 AM			X
01	2. FT #16	8/31/16	8:30 AM			X
02	3. FT #7	8/31/16	8:45 AM			
02	4. FT #7	8/31/16	8:45 AM			
03	5. Lower P.I. Pond	8/31/16	9:00 AM			
03	6. Lower P.I. Pond	8/31/16	9:00 AM			
04	7. Mitchell Hollow FT	8/31/16	9:15 AM			
04	8. Mitchell Hollow FT	8/31/16	9:15 AM			
	9.					
	10.					

Sampled by: [print] Jay Bruns Sampled by: [signature] Jay Bruns

ON ICE NOT ON ICE Temp (C°): 4.7
 Samples received outside the EPA recommended temperature range of 0-6 C° may be rejected.

Relinquished by: [signature] <u>Jay Bruns</u>	Date/Time <u>8/31/16 10:00</u>	Received by: [signature] <u>[Signature]</u>	Date/Time <u>8/31/16 1000</u>
Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time
Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time

CHEMTECH-FORD
 9632 South 500 West
 Sandy, UT 84070
 801.262.7299 PHONE
 866.792.0093 FAX
 www.chemtechford.com

Payment Terms are net 30 days OAC. 1.5% interest charge per month (18% per annum).
 Client agrees to pay collection costs and attorney's fees.



Certificate of Analysis

Report Footnotes

Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit.
1 mg/L = one milligram per liter or 1 mg/Kg = one milligram per kilogram = 1 part per million.
1 ug/L = one microgram per liter or 1 ug/Kg = one microgram per kilogram = 1 part per billion.
1 ng/L = one nanogram per liter or 1 ng/Kg = one nanogram per kilogram = 1 part per trillion.

Flag Descriptions

NR = No analyte requiring this QC element is included in this analytical bracket.

Data Comparisons

Values reported in **RED** exceed Primary Drinking Water standards.
Values reported in **BLUE** exceed Secondary Drinking Water standards.
BLANK values in the MCL column indicate no standard.