



10/5/2016

Work Order: 1611211

Aqua Environmental Services

Attn: Larry Hall

89 W. Monarch

Bountiful, UT 84010

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



CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1611211-01

Name: Aqua Environmental Services	Sample Date: 9/13/2016 7:15 AM
Sample Site: 46 Smokey Ln (EID-1)	Receipt Date: 9/26/2016 1:19 PM
Comments:	Sampler: Homeowners
Sample Matrix: Drinking Water	Project: EID Pb & Cu
PO Number:	System No.: UTAH18143
Source Code: DS001	Sample Point: DS001
	Report to State: Y

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Metals								
Copper, Total	0.189	1.3	0.0010	mg/L	EPA 200.8	09/28/2016 12:09	09/28/2016 19:09	
Lead, Total	0.0024	0.015	0.0005	mg/L	EPA 200.8	09/28/2016 12:09	09/28/2016 19:09	



CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1611211-02

Name: Aqua Environmental Services	Sample Date: 9/14/2016 6:45 AM
Sample Site: 75 Silver Oak Rd. (EID-2)	Receipt Date: 9/26/2016 1:19 PM
Comments:	Sampler: Homeowners
Sample Matrix: Drinking Water	Project: EID Pb & Cu
PO Number:	System No.: UTAH18143
Source Code: DS001	Sample Point: DS001
	Report to State: Y

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Metals								
Copper, Total	0.194	1.3	0.0010	mg/L	EPA 200.8	09/28/2016 12:09	09/28/2016 19:13	
Lead, Total	0.0008	0.015	0.0005	mg/L	EPA 200.8	09/28/2016 12:09	09/28/2016 19:13	



CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1611211-03

Name: Aqua Environmental Services	Sample Date: 9/16/2016 7:01 AM
Sample Site: 124 Young Oak Rd. (EID-3)	Receipt Date: 9/26/2016 1:19 PM
Comments:	Sampler: Homeowners
Sample Matrix: Drinking Water	Project: EID Pb & Cu
PO Number:	System No.: UTAH18143
Source Code: DS001	Sample Point: DS001
	Report to State: Y

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Metals								
Copper, Total	ND	1.3	0.0010	mg/L	EPA 200.8	09/28/2016 12:09	09/28/2016 19:15	
Lead, Total	ND	0.015	0.0005	mg/L	EPA 200.8	09/28/2016 12:09	09/28/2016 19:15	



CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1611211-04

Name: Aqua Environmental Services	Sample Date: 9/13/2016 7:00 AM
Sample Site: 135 Young Oak Rd. (EID-4)	Receipt Date: 9/26/2016 1:19 PM
Comments:	Sampler: Homeowners
Sample Matrix: Drinking Water	Project: EID Pb & Cu
PO Number:	System No.: UTAH18143
Source Code: DS001	Sample Point: DS001
	Report to State: Y

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Metals								
Copper, Total	0.316	1.3	0.0010	mg/L	EPA 200.8	09/28/2016 12:09	09/28/2016 19:17	
Lead, Total	0.0098	0.015	0.0005	mg/L	EPA 200.8	09/28/2016 12:09	09/28/2016 19:17	



Certificate of Analysis

Lab Sample No.: 1611211-05

Name: Aqua Environmental Services	Sample Date: 9/13/2016 5:30 AM
Sample Site: 142 Young Oak Rd. (EID-5)	Receipt Date: 9/26/2016 1:19 PM
Comments:	Sampler: Homeowners
Sample Matrix: Drinking Water	Project: EID Pb & Cu
PO Number:	System No.: UTAH18143
Source Code: DS001	Sample Point: DS001
	Report to State: Y

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Metals								
Copper, Total	0.252	1.3	0.0010	mg/L	EPA 200.8	09/28/2016 12:09	09/28/2016 19:20	
Lead, Total	0.0206	0.015	0.0005	mg/L	EPA 200.8	09/28/2016 12:09	09/28/2016 19:20	



Certificate of Analysis

Lab Sample No.: 1611211-06

Name: Aqua Environmental Services	Sample Date: 9/18/2016 5:00 AM
Sample Site: 160 Young Oak Rd. (EID-6)	Receipt Date: 9/26/2016 1:19 PM
Comments:	Sampler: Homeowners
Sample Matrix: Drinking Water	Project: EID Pb & Cu
PO Number:	System No.: UTAH18143
Source Code: DS001	Sample Point: DS001
	Report to State: Y

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Metals								
Copper, Total	0.241	1.3	0.0010	mg/L	EPA 200.8	09/28/2016 12:09	09/28/2016 19:22	
Lead, Total	0.0152	0.015	0.0005	mg/L	EPA 200.8	09/28/2016 12:09	09/28/2016 19:22	



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LABORATORIES

Certificate of Analysis

Lab Sample No.: 1611211-07

Name: Aqua Environmental Services	Sample Date: 9/12/2016 9:32 AM
Sample Site: 159 Young Oak Rd. (EID-7)	Receipt Date: 9/26/2016 1:19 PM
Comments:	Sampler: Homeowners
Sample Matrix: Drinking Water	Project: EID Pb & Cu
PO Number:	System No.: UTAH18143
Source Code: DS001	Sample Point: DS001
	Report to State: Y

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Metals								
Copper, Total	0.120	1.3	0.0010	mg/L	EPA 200.8	09/28/2016 12:09	09/28/2016 19:24	
Lead, Total	0.0032	0.015	0.0005	mg/L	EPA 200.8	09/28/2016 12:09	09/28/2016 19:24	



Certificate of Analysis

Lab Sample No.: 1611211-08

Name: Aqua Environmental Services	Sample Date: 9/18/2016 9:00 AM
Sample Site: 345 Middle Oak Ln. (EID-8)	Receipt Date: 9/26/2016 1:19 PM
Comments:	Sampler: Homeowners
Sample Matrix: Drinking Water	Project: EID Pb & Cu
PO Number:	System No.: UTAH18143
Source Code: DS001	Sample Point: DS001
	Report to State: Y

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Metals								
Copper, Total	0.194	1.3	0.0010	mg/L	EPA 200.8	09/28/2016 12:09	09/28/2016 19:26	
Lead, Total	ND	0.015	0.0005	mg/L	EPA 200.8	09/28/2016 12:09	09/28/2016 19:26	



Certificate of Analysis

Lab Sample No.: 1611211-09

<p>Name: Aqua Environmental Services</p> <p>Sample Site: 5430 E Pioneer Fk. Ln (EID-9)</p> <p>Comments:</p> <p>Sample Matrix: Drinking Water</p> <p>PO Number:</p> <p>Source Code: DS001</p>	<p>Sample Date: 9/14/2016 1:30 PM</p> <p>Receipt Date: 9/26/2016 1:19 PM</p> <p>Sampler: Homeowners</p> <p>Project: EID Pb & Cu</p> <p>System No.: UTAH18143</p> <p>Report to State: Y</p>
Sample Point: DS001	

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Metals								
Copper, Total	0.232	1.3	0.0010	mg/L	EPA 200.8	09/28/2016 12:09	09/28/2016 19:28	
Lead, Total	0.0036	0.015	0.0005	mg/L	EPA 200.8	09/28/2016 12:09	09/28/2016 19:28	



Certificate of Analysis

Lab Sample No.: 1611211-10

Name: Aqua Environmental Services	Sample Date: 9/18/2016 7:00 AM
Sample Site: 161 Young Oak Rd. (EID-10)	Receipt Date: 9/26/2016 1:19 PM
Comments:	Sampler: Homeowners
Sample Matrix: Drinking Water	Project: EID Pb & Cu
PO Number:	System No.: UTAH18143
Source Code: DS001	Sample Point: DS001
	Report to State: Y

Parameter	Sample Result	EPA Max Contaminant Level (MCL)	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Metals								
Copper, Total	0.132	1.3	0.0010	mg/L	EPA 200.8	09/28/2016 12:09	09/28/2016 19:31	
Lead, Total	0.0011	0.015	0.0005	mg/L	EPA 200.8	09/28/2016 12:09	09/28/2016 19:31	



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

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.

DRINKING WATER SAMPLES ONLY

CHEMTECH - FORD ANALYTICAL LABORATORY

CHAIN OF CUSTODY

COMPANY: Agua Environmental Services Inc.
 ADDRESS: 89 W. Monarch Dr.
 CITY/STATE/ZIP: Bountiful UT, 84010
 PHONE #: 801-209-6382 FAX: _____
 CONTACT: Larry Hall PROJECT: EID Ph & Cu
 EMAIL: larryh@aguaenviron.com
 * Expedited turnaround subject to additional charge

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



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

State System Number
18143

Send to State
 Yes No

TESTS REQUESTED										Bacteria			LAB FAIL Ref #	
										Total Coliform + E. coli (Present/Absent)	Total Coliform + E. coli (Enumerated)	HPC (Plate Count)		
Pb & Cu														
	X													
	X													
	X													
	X													
	X													
	X													
	X													
	X													
	X													

Lab Use Only	CLIENT SAMPLE INFORMATION					
	LOCATION	DATE	TIME	FACILITY ID (source code)	POINT CODE (DBP)	Field: Residual Chlorine
<u>I1211</u>						
01	416 Smokey Ln (EID-1)	9-13-16	7:15			
02	75 Silver Oak Rd. (EID-2)	9-14-16	6:45			
03	124 Young Oak Rd. (EID-3)	9-16-16	7:01			
04	135 Young Oak Rd. (EID-4)	9-13-16	7:00			
05	142 Young Oak Rd. (EID-5)	9-13-16	5:30			
06	160 Young Oak Rd. (EID-6)	9-18-16	5:00			
07	159 Young Oak Rd. (EID-7)	9-12-16	9:32			
08	345 Middle Oak Ln. (EID-8)	9-18-16	9:00			
09	5130 E Pioneer Fr. Ln. (EID-9)	9-14-16	13:30 13:30			
10	161 Young Oak Rd. (EID-10)	9-18-16	7:00			

Sampled by: [print] Homeowners Sampled by: [signature] _____
 Special Instructions: _____
 Relinquished by: [signature] _____ Date/Time 9-26-16 13:19
 Relinquished by: [signature] _____ Date/Time _____
 Relinquished by: [signature] _____ Date/Time _____
 Received by: [signature] Ben White Date/Time 9/26/16 13:19
 Received by: [signature] _____ Date/Time _____
 Received by: [signature] _____ Date/Time _____

ON ICE NOT ON ICE Temp (C°): 21.6
 Samples received outside the EPA recommended temperature range of 0-6 C° may be rejected.

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.

Work Order # I1211

CHEMTECH FORD LABORATORIES

Sample Receipt



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Delivery Method:

- UPS USPS
 FedEx Chemtech Courier
 Walk-in Customer Courier

Receiving Temperature 21.6 °C

Sample #	Container	Chemtech Lot # or Preservative	Number of Subsamples	Preserved by Client/Third Party	Preserved in Receiving/Laboratory	Filtered in Field by Client	Misc Volume (oz/mL)	Comments
01-10	MQ				X			

Sample Condition
(check if yes)

Custody Seals
 Containers Intact
 COC/Labels Agree
 Preservation Confirmed
 Received on Ice
 Correct Containers(s)
 Sufficient Sample Volume
 Headspace Present (VOC)
 Temperature Blank
 Received within Holding Time

Plastic Containers

A- Plastic Unpreserved
 B- Miscellaneous Plastic
 C- Cyanide Qt (NaOH)
 E- Coliform/Ecoli/HPC
 F- Sulfide Qt (Zn Acetate)
 L- Mercury 1631
 M- Metals Pint (HNO3)
 N- Nutrient Pint (H2SO4)
 R- Radiological (HNO3)
 S- Sludge Cups/Tubs
 Q- Plastic Bag

Glass Containers

D- 625 (Na2S2O3)
 G- Glass Unpreserved
 H- HAAs (NH4Cl)
 J- 508/515/525 (Na2SO3)
 K- 515.3 Herbicides
 O- Oil & Grease (HCl)
 P- Phenols (H2SO4)
 T- TOC/TOX (H3PO4)
 U- 531 (MCAA, Na2S2O3)
 V- 524/THMs (Ascorbic Acid)
 W- 8260 VOC (1:1 HCl)
 X- Vial Unpreserved
 Y- 624/504 (Na2S2O3)
 Z- Miscellaneous Glass