



State Hygienic Laboratory

The University of Iowa

CORALVILLE WATER PLANT
 900 10TH ST
 PO BOX 5127
 CORALVILLE, IA 52241-

Accession Number	552463
Date Sample Finalized	2017-08-30 15:23
Date Received	2017-08-16 10:59
Sample Source	Drinking Water
Project	
Date Collected	2017-08-15 11:19
Collection Site	coralville south tower
Collection Address	
Sample Description	CORALVILLE, water
Client Reference	
Collector	baack craig
Phone	319/248-1770

Note: Upon arrival, sample met container and preservation requirements for the analysis requested. Please review carefully your sample results for additional analyte comments or method exceptions.

Results of Analyses

Chloride, EPA 300.0

Units	mg/L	Analyzed In	Ankeny
Date Analyzed	2017-08-24 22:01	Date Verified	2017-08-28 22:30
Analyst	MGB	Verifier	BRW

Analyte	Result	Quant Limit
Chloride	31	10

Sulfate, EPA 300.0

Units	mg/L	Analyzed In	Ankeny
Date Analyzed	2017-08-29 21:06	Date Verified	2017-08-30 15:23
Analyst	MGB	Verifier	DLS

Analyte	Result	Quant Limit
Sulfate	360	100

Nitrate as N, EPA 300.0

Units	mg/L	Analyzed In	Ankeny
Date Analyzed	2017-08-17 11:05	Date Verified	2017-08-18 14:59
Analyst	MGB	Verifier	DLS

Analyte	Result	Quant Limit	MCL
Nitrate nitrogen as N	1.2	0.5	10

Note: The MCL (maximum contaminant level) is only applicable to compliance monitoring samples under the Safe Drinking Water Act (SDWA).



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Alkalinity as CaCO₃, SM 2320 B

Units | mg/L
 Date Analyzed | 2017-08-24 13:45
 Analyst | LDA

Analyzed In | Ankeny
 Date Verified | 2017-08-25 16:00
 Verifier | BRW

Analyte	Result	Quant Limit
Total Alkalinity	260	1
Bicarbonate alkalinity	260	1
Carbonate alkalinity	<1	1

Specific Conductance at 25 degrees C, SM 2510 B

Units | umho/cm
 Date Analyzed | 2017-08-17 09:39
 Analyst | LDA

Analyzed In | Ankeny
 Date Verified | 2017-08-17 11:14
 Verifier | BRW

Analyte	Result	Quant Limit
Specific Conductance	1200	1

Fluoride, SM 4500-F C

Units | mg/L
 Date Analyzed | 2017-08-22 13:52
 Analyst | AJB

Analyzed In | Ankeny
 Date Verified | 2017-08-24 16:21
 Verifier | DLS

Analyte	Result	Quant Limit	MCL
Fluoride	0.87	0.1	4.0

Note: The MCL (maximum contaminant level) is only applicable to compliance monitoring samples under the Safe Drinking Water Act (SDWA).

Total Hardness as CaCO₃, SM 2340 C

Units | mg/L
 Date Analyzed | 2017-08-17 12:44
 Analyst | LDA

Analyzed In | Ankeny
 Date Verified | 2017-08-17 14:32
 Verifier | DLS

Analyte	Result	Quant Limit
Total Hardness	440	1

Laboratory pH, SM 4500 H+B

Units | pH
 Date Analyzed | 2017-08-24 13:45
 Analyst | LDA

Analyzed In | Ankeny
 Date Verified | 2017-08-25 15:52
 Verifier | BRW

Analyte	Result
Laboratory pH	7.8



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Silica, SM 4500-SIO2 C

Units | mg/L
 Date Analyzed | 2017-08-29 12:10
 Analyst | HML

Analyzed In | Ankeny
 Date Verified | 2017-08-29 15:07
 Verifier | DLS

Analyte	Result	Quant Limit
Silica as SiO2	11	1.0

Total Dissolved Solids, SM 2540 C

Units | mg/L
 Date Analyzed | 2017-08-17 13:30
 Analyst | MLS

Analyzed In | Ankeny
 Date Verified | 2017-08-23 11:40
 Verifier | RWR

Analyte	Result	Quant Limit
Total Dissolved Solids	860	1

Mercury, EPA 245.2

Units | mg/L
 Date Analyzed | 2017-08-25 11:18
 Analyst | SGB
 Analysis Prep | Mercury Digestion, EPA 245.2

Analyzed In | Ankeny
 Date Verified | 2017-08-25 15:48
 Verifier | BRW

Analyte	Result	Quant Limit	MCL
Mercury	<0.0002	0.0002	0.002

Note: The MCL (maximum contaminant level) is only applicable to compliance monitoring samples under the Safe Drinking Water Act (SDWA).

Metals, EPA 200.8

Units | mg/L
 Date Analyzed | 2017-08-18 11:05
 Analyst | SGB
 Analysis Prep | Turbidity screen for drinking water metals, SM 2130 B

Analyzed In | Ankeny
 Date Verified | 2017-08-19 21:50
 Verifier | BRW

Analyte	Result	Quant Limit	MCL
Antimony	<0.005	0.005	0.006
Arsenic	<0.001	0.001	0.01
Barium	0.07	0.05	2
Cadmium	<0.001	0.001	0.005
Chromium	<0.01	0.01	0.1
Selenium	<0.01	0.01	0.05
Thallium	<0.001	0.001	0.002

Analyte	Result	Quant Limit
Iron	0.02	0.02
Manganese	<0.02	0.02



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Metals, EPA 200.7

Units	mg/L	Analyzed In	Ankeny
Date Analyzed	2017-08-23 11:06	Date Verified	2017-08-23 15:36
Analyst	MRC	Verifier	BRW
Analysis Prep	Turbidity screen for drinking water metals, SM 2130 B		

Analyte	Result	Quant Limit
Sodium	120	0.5
Calcium	100	1
Magnesium	49	0.5
Potassium	11	1

Note: The MCL (maximum contaminant level) is only applicable to compliance monitoring samples under the Safe Drinking Water Act (SDWA).

Description of Units used within this report

- mg/L = Milligrams per Liter
- pH = pH Units
- umho/cm = Micromho per Centimeter

The result(s) of this report relate only to the items analyzed. This report shall not be reproduced except in full without the written approval of the laboratory.

Iowa Environmental Laboratory IDs are: Ankeny #397, Iowa City/Coralville #027, Lakeside #393.

If you have any questions, please call Client Services at 800/421-IOWA (4692) or 319/335-4500. Thank you.