

ANALYTICAL REPORT

April 12, 2019

Work Order: 1D90633

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Report To
Travis Larson Waterloo Water Works 325 Sycamore Street, PO Box 27 Waterloo, IA 50704

Work Order Information
Date Received: 04/05/2019 11:10AM Collector: Unknown Phone: (319) 232-6280 PO Number:

Project : Lead & Copper

Project Number: 0790074

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
1D90633-01	Cadillac Dr.			Matrix:Drink Wtr		Collected: 04/02/19 06:40	
Copper, total	0.0129 mg/L	0.0025	ICD0443	200.8	RVV	04/11/19 18:31	
Lead, total	<0.0010 mg/L	0.0010	ICD0443	200.8	RVV	04/11/19 18:31	
1D90633-02	Fairview St.			Matrix:Drink Wtr		Collected: 04/02/19 02:30	
Copper, total	0.215 mg/L	0.0025	ICD0443	200.8	RVV	04/11/19 18:57	
Lead, total	0.0051 mg/L	0.0010	ICD0443	200.8	RVV	04/11/19 18:57	
1D90633-03	Belle St.			Matrix:Drink Wtr		Collected: 04/02/19 07:28	
Copper, total	0.0538 mg/L	0.0025	ICD0443	200.8	RVV	04/11/19 19:02	
Lead, total	<0.0010 mg/L	0.0010	ICD0443	200.8	RVV	04/11/19 19:02	
1D90633-04	Prospect Blvd.			Matrix:Drink Wtr		Collected: 04/02/19 06:50	
Copper, total	0.0685 mg/L	0.0025	ICD0443	200.8	RVV	04/11/19 19:07	
Lead, total	<0.0010 mg/L	0.0010	ICD0443	200.8	RVV	04/11/19 19:07	
1D90633-05	Four Seasons Dr.			Matrix:Drink Wtr		Collected: 04/02/19 12:52	
Copper, total	0.130 mg/L	0.0025	ICD0443	200.8	RVV	04/11/19 19:12	
Lead, total	0.0047 mg/L	0.0010	ICD0443	200.8	RVV	04/11/19 19:12	
1D90633-06	Michelle Dr.			Matrix:Drink Wtr		Collected: 04/02/19 07:00	
Copper, total	0.0970 mg/L	0.0025	ICD0443	200.8	RVV	04/11/19 19:17	
Lead, total	0.0010 mg/L	0.0010	ICD0443	200.8	RVV	04/11/19 19:17	
1D90633-07	Sunise Blvd.			Matrix:Drink Wtr		Collected: 04/02/19 07:00	
Copper, total	0.0805 mg/L	0.0025	ICD0443	200.8	RVV	04/11/19 19:22	
Lead, total	0.0016 mg/L	0.0010	ICD0443	200.8	RVV	04/11/19 19:22	
1D90633-08	Olympic Dr.			Matrix:Drink Wtr		Collected: 04/01/19 16:00	
Copper, total	0.0321 mg/L	0.0025	ICD0443	200.8	RVV	04/11/19 19:27	
Lead, total	<0.0010 mg/L	0.0010	ICD0443	200.8	RVV	04/11/19 19:27	

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Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
1D90633-09	Mark Dr.			Matrix:Drink Wtr		Collected: 04/02/19 06:00	
Copper, total	0.102 mg/L	0.0025	1CD0443	200.8	RVV	04/11/19 19:32	
Lead, total	<0.0010 mg/L	0.0010	1CD0443	200.8	RVV	04/11/19 19:32	
1D90633-10	Audubon Dr.			Matrix:Drink Wtr		Collected: 04/02/19 07:35	
Copper, total	0.144 mg/L	0.0025	1CD0443	200.8	RVV	04/11/19 19:48	
Lead, total	<0.0010 mg/L	0.0010	1CD0443	200.8	RVV	04/11/19 19:48	
1D90633-11	Jane St.			Matrix:Drink Wtr		Collected: 04/03/19 04:49	
Copper, total	0.121 mg/L	0.0025	1CD0443	200.8	RVV	04/11/19 19:53	
Lead, total	<0.0010 mg/L	0.0010	1CD0443	200.8	RVV	04/11/19 19:53	
1D90633-12	Caras Rd.			Matrix:Drink Wtr		Collected: 04/03/19 05:45	
Copper, total	0.257 mg/L	0.0025	1CD0443	200.8	RVV	04/11/19 19:58	
Lead, total	0.0010 mg/L	0.0010	1CD0443	200.8	RVV	04/11/19 19:58	
1D90633-13	Audubon Dr.			Matrix:Drink Wtr		Collected: 04/03/19 04:44	
Copper, total	0.0829 mg/L	0.0025	1CD0443	200.8	RVV	04/11/19 20:03	
Lead, total	<0.0010 mg/L	0.0010	1CD0443	200.8	RVV	04/11/19 20:03	
1D90633-14	Excelsior Ln.			Matrix:Drink Wtr		Collected: 04/03/19 07:00	
Copper, total	0.115 mg/L	0.0025	1CD0443	200.8	RVV	04/11/19 20:08	
Lead, total	0.0012 mg/L	0.0010	1CD0443	200.8	RVV	04/11/19 20:08	
1D90633-15	Harbin Dr.			Matrix:Drink Wtr		Collected: 04/03/19 06:07	
Copper, total	0.0985 mg/L	0.0025	1CD0443	200.8	RVV	04/11/19 20:13	
Lead, total	<0.0010 mg/L	0.0010	1CD0443	200.8	RVV	04/11/19 20:13	
1D90633-16	Holly Ln.			Matrix:Drink Wtr		Collected: 04/03/19 06:00	
Copper, total	0.0695 mg/L	0.0025	1CD0443	200.8	RVV	04/11/19 20:19	
Lead, total	0.0010 mg/L	0.0010	1CD0443	200.8	RVV	04/11/19 20:19	
1D90633-17	Garden Ave.			Matrix:Drink Wtr		Collected: 04/03/19 05:30	
Copper, total	0.123 mg/L	0.0025	1CD0447	200.8	RVV	04/11/19 20:34	
Lead, total	0.0010 mg/L	0.0010	1CD0447	200.8	RVV	04/11/19 20:34	
1D90633-18	Clearview St.			Matrix:Drink Wtr		Collected: 04/03/19 08:40	
Copper, total	0.248 mg/L	0.0025	1CD0447	200.8	RVV	04/11/19 21:00	
Lead, total	0.0010 mg/L	0.0010	1CD0447	200.8	RVV	04/11/19 21:00	
1D90633-19	Midland St.			Matrix:Drink Wtr		Collected: 04/03/19 06:00	
Copper, total	0.133 mg/L	0.0025	1CD0447	200.8	RVV	04/11/19 21:05	
Lead, total	0.0016 mg/L	0.0010	1CD0447	200.8	RVV	04/11/19 21:05	
1D90633-20	Scott Ave.			Matrix:Drink Wtr		Collected: 04/02/19 04:45	

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1D90633-20	Scott Ave.			Matrix:Drink Wtr		Collected: 04/02/19 04:45	
Copper, total	0.117 mg/L	0.0025	1CD0447	200.8	RVV	04/11/19 21:10	
Lead, total	<0.0010 mg/L	0.0010	1CD0447	200.8	RVV	04/11/19 21:10	
1D90633-21	Aspen Dr.			Matrix:Drink Wtr		Collected: 04/02/19 06:40	
Copper, total	0.119 mg/L	0.0025	1CD0447	200.8	RVV	04/11/19 21:15	
Lead, total	0.0025 mg/L	0.0010	1CD0447	200.8	RVV	04/11/19 21:15	
1D90633-22	Wenner Dr.			Matrix:Drink Wtr		Collected: 04/02/19 07:25	
Copper, total	0.0484 mg/L	0.0025	1CD0447	200.8	RVV	04/11/19 21:20	
Lead, total	<0.0010 mg/L	0.0010	1CD0447	200.8	RVV	04/11/19 21:20	
1D90633-23	Jodi Dr.			Matrix:Drink Wtr		Collected: 04/02/19 05:00	
Copper, total	0.0589 mg/L	0.0025	1CD0447	200.8	RVV	04/11/19 21:25	
Lead, total	<0.0010 mg/L	0.0010	1CD0447	200.8	RVV	04/11/19 21:25	
1D90633-24	Matthew Dr.			Matrix:Drink Wtr		Collected: 04/02/19 08:08	
Copper, total	0.131 mg/L	0.0025	1CD0447	200.8	RVV	04/11/19 21:30	
Lead, total	0.0032 mg/L	0.0010	1CD0447	200.8	RVV	04/11/19 21:30	
1D90633-25	Jodi Dr.			Matrix:Drink Wtr		Collected: 04/01/19 12:00	
Copper, total	0.0351 mg/L	0.0025	1CD0447	200.8	RVV	04/11/19 21:35	
Lead, total	<0.0010 mg/L	0.0010	1CD0447	200.8	RVV	04/11/19 21:35	
1D90633-26	Wendy Rd.			Matrix:Drink Wtr		Collected: 04/03/19 16:43	
Copper, total	0.147 mg/L	0.0025	1CD0447	200.8	RVV	04/11/19 21:51	
Lead, total	0.0015 mg/L	0.0010	1CD0447	200.8	RVV	04/11/19 21:51	
1D90633-27	Jane St.			Matrix:Drink Wtr		Collected: 04/04/19 07:00	
Copper, total	0.0525 mg/L	0.0025	1CD0447	200.8	RVV	04/11/19 21:56	
Lead, total	<0.0010 mg/L	0.0010	1CD0447	200.8	RVV	04/11/19 21:56	
1D90633-28	Holly Ln.			Matrix:Drink Wtr		Collected: 04/04/19 06:43	
Copper, total	0.219 mg/L	0.0025	1CD0447	200.8	RVV	04/11/19 22:01	
Lead, total	0.0015 mg/L	0.0010	1CD0447	200.8	RVV	04/11/19 22:01	

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ANALYTICAL REPORT

April 24, 2019

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Work Order: 1D91246

Report To
Travis Larson Waterloo Water Works 325 Sycamore Street, PO Box 27 Waterloo, IA 50704

Work Order Information
Date Received: 04/12/2019 12:05PM Collector: Unknown Phone: (319) 232-6280 PO Number:

Project : Lead & Copper

Project Number: 0790074

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
1D91246-01	Upton Ave.			Matrix:Drink Wtr		Collected: 04/09/19 07:20	
Copper, total	0.0131 mg/L	0.0025	1CD0854	200.8	RVV	04/19/19 16:54	
Lead, total	<0.0010 mg/L	0.0010	1CD0854	200.8	RVV	04/19/19 16:54	
1D91246-02	Patton Ave.			Matrix:Drink Wtr		Collected: 04/09/19 09:00	
Copper, total	0.0656 mg/L	0.0025	1CD0854	200.8	RVV	04/19/19 17:10	
Lead, total	0.0083 mg/L	0.0010	1CD0854	200.8	RVV	04/19/19 17:10	
1D91246-03	Newton St.			Matrix:Drink Wtr		Collected: 04/09/19 06:00	
Copper, total	0.0213 mg/L	0.0025	1CD0854	200.8	RVV	04/19/19 17:15	
Lead, total	<0.0010 mg/L	0.0010	1CD0854	200.8	RVV	04/19/19 17:15	
1D91246-04	Lakeside St.			Matrix:Drink Wtr		Collected: 04/09/19 07:15	
Copper, total	0.206 mg/L	0.0025	1CD0854	200.8	RVV	04/19/19 17:20	
Lead, total	0.0017 mg/L	0.0010	1CD0854	200.8	RVV	04/19/19 17:20	
1D91246-05	Byron Ave.			Matrix:Drink Wtr		Collected: 04/08/19 18:00	
Copper, total	0.0427 mg/L	0.0025	1CD0854	200.8	RVV	04/19/19 17:35	
Lead, total	<0.0010 mg/L	0.0010	1CD0854	200.8	RVV	04/19/19 17:35	
1D91246-06	Keystone St.			Matrix:Drink Wtr		Collected: 04/09/19 09:15	
Copper, total	0.126 mg/L	0.0025	1CD0854	200.8	RVV	04/19/19 17:40	
Lead, total	<0.0010 mg/L	0.0010	1CD0854	200.8	RVV	04/19/19 17:40	
1D91246-07	Prospect Circle			Matrix:Drink Wtr		Collected: 04/08/19 20:30	
Copper, total	0.320 mg/L	0.0025	1CD0854	200.8	RVV	04/19/19 17:45	
Lead, total	0.0060 mg/L	0.0010	1CD0854	200.8	RVV	04/19/19 17:45	
1D91246-08	Bertch Ave.			Matrix:Drink Wtr		Collected: 04/08/19 19:00	
Copper, total	0.0910 mg/L	0.0025	1CD0854	200.8	RVV	04/19/19 17:50	
Lead, total	0.0016 mg/L	0.0010	1CD0854	200.8	RVV	04/19/19 17:50	

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Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
1D91246-09	Lakeside St.			Matrix:Drink Wtr		Collected: 04/09/19 05:05	
Copper, total	0.0921 mg/L	0.0025	1CD0854	200.8	RVV	04/19/19 17:55	
Lead, total	<0.0010 mg/L	0.0010	1CD0854	200.8	RVV	04/19/19 17:55	
1D91246-10	Wallgate Ave.			Matrix:Drink Wtr		Collected: 04/09/19 06:40	
Copper, total	0.0638 mg/L	0.0025	1CD0854	200.8	RVV	04/19/19 18:00	
Lead, total	<0.0010 mg/L	0.0010	1CD0854	200.8	RVV	04/19/19 18:00	
1D91246-11	Wallgate Ave.			Matrix:Drink Wtr		Collected: 04/11/19 11:30	
Copper, total	0.0129 mg/L	0.0025	1CD0854	200.8	RVV	04/19/19 18:05	
Lead, total	<0.0010 mg/L	0.0010	1CD0854	200.8	RVV	04/19/19 18:05	
1D91246-12	Newton St.			Matrix:Drink Wtr		Collected: 04/09/19 06:15	
Copper, total	0.0439 mg/L	0.0025	1CD0854	200.8	RVV	04/19/19 18:10	
Lead, total	<0.0010 mg/L	0.0010	1CD0854	200.8	RVV	04/19/19 18:10	
1D91246-13	Cutler St.			Matrix:Drink Wtr		Collected: 04/09/19 03:45	
Copper, total	0.0306 mg/L	0.0025	1CD0854	200.8	RVV	04/19/19 18:15	
Lead, total	0.0021 mg/L	0.0010	1CD0854	200.8	RVV	04/19/19 18:15	
1D91246-14	Jane St.			Matrix:Drink Wtr		Collected: 04/09/19 04:25	
Copper, total	0.284 mg/L	0.0025	1CD0854	200.8	RVV	04/19/19 18:20	
Lead, total	0.0016 mg/L	0.0010	1CD0854	200.8	RVV	04/19/19 18:20	
1D91246-15	Forest Ave.			Matrix:Drink Wtr		Collected: 04/09/19 06:00	
Copper, total	0.0279 mg/L	0.0025	1CD0854	200.8	RVV	04/19/19 18:35	
Lead, total	0.0017 mg/L	0.0010	1CD0854	200.8	RVV	04/19/19 18:35	
1D91246-16	Liberty Ave.			Matrix:Drink Wtr		Collected: 04/08/19 19:30	
Copper, total	0.0691 mg/L	0.0025	1CD0854	200.8	RVV	04/19/19 18:40	
Lead, total	<0.0010 mg/L	0.0010	1CD0854	200.8	RVV	04/19/19 18:40	
1D91246-17	Hanna Blvd.			Matrix:Drink Wtr		Collected: 04/09/19 06:08	
Copper, total	0.0125 mg/L	0.0025	1CD0854	200.8	RVV	04/19/19 18:45	
Lead, total	<0.0010 mg/L	0.0010	1CD0854	200.8	RVV	04/19/19 18:45	
1D91246-18	Hawthorne Ave.			Matrix:Drink Wtr		Collected: 04/09/19 07:00	
Copper, total	0.0473 mg/L	0.0025	1CD0854	200.8	RVV	04/19/19 18:50	
Lead, total	<0.0010 mg/L	0.0010	1CD0854	200.8	RVV	04/19/19 18:50	
1D91246-19	Keystone St.			Matrix:Drink Wtr		Collected: 04/09/19 06:50	
Copper, total	0.0529 mg/L	0.0025	1CD0854	200.8	RVV	04/19/19 18:55	
Lead, total	<0.0010 mg/L	0.0010	1CD0854	200.8	RVV	04/19/19 18:55	

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Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
1D91246-20	Keystone St.			Matrix:Drink Wtr		Collected: 04/09/19 04:53	
Copper, total	0.186 mg/L	0.0025	1CD0854	200.8	RVV	04/19/19 19:00	
Lead, total	0.0049 mg/L	0.0010	1CD0854	200.8	RVV	04/19/19 19:00	
1D91246-21	Keystone St.			Matrix:Drink Wtr		Collected: 04/09/19 07:00	
Copper, total	0.0495 mg/L	0.0025	1CD0856	200.8	RVV	04/19/19 19:16	
Lead, total	<0.0010 mg/L	0.0010	1CD0856	200.8	RVV	04/19/19 19:16	
1D91246-22	Mathew Dr.			Matrix:Drink Wtr		Collected: 04/11/19 04:52	
Copper, total	0.0119 mg/L	0.0025	1CD0856	200.8	RVV	04/19/19 19:41	
Lead, total	<0.0010 mg/L	0.0010	1CD0856	200.8	RVV	04/19/19 19:41	
1D91246-23	Kirkwood Ave.			Matrix:Drink Wtr		Collected: 04/09/19 07:00	
Copper, total	0.0485 mg/L	0.0025	1CD0856	200.8	RVV	04/19/19 19:46	
Lead, total	0.0010 mg/L	0.0010	1CD0856	200.8	RVV	04/19/19 19:46	
1D91246-24	W. Parker St.			Matrix:Drink Wtr		Collected: 04/09/19 08:00	
Copper, total	0.111 mg/L	0.0025	1CD0856	200.8	RVV	04/19/19 19:51	
Lead, total	<0.0010 mg/L	0.0010	1CD0856	200.8	RVV	04/19/19 19:51	
1D91246-25	Newton St.			Matrix:Drink Wtr		Collected: 04/09/19 05:02	
Copper, total	0.0100 mg/L	0.0025	1CD0856	200.8	RVV	04/19/19 19:56	
Lead, total	<0.0010 mg/L	0.0010	1CD0856	200.8	RVV	04/19/19 19:56	
1D91246-26	Patton Ave.			Matrix:Drink Wtr		Collected: 04/08/19 17:55	
Copper, total	0.0447 mg/L	0.0025	1CD0856	200.8	RVV	04/19/19 20:01	
Lead, total	0.0013 mg/L	0.0010	1CD0856	200.8	RVV	04/19/19 20:01	
1D91246-27	Dawson St.			Matrix:Drink Wtr		Collected: 04/10/19 06:15	
Copper, total	0.116 mg/L	0.0025	1CD0856	200.8	RVV	04/19/19 20:06	
Lead, total	<0.0010 mg/L	0.0010	1CD0856	200.8	RVV	04/19/19 20:06	
1D91246-28	Newton St.			Matrix:Drink Wtr		Collected: 04/10/19 08:00	
Copper, total	0.0398 mg/L	0.0025	1CD0856	200.8	RVV	04/19/19 20:11	
Lead, total	<0.0010 mg/L	0.0010	1CD0856	200.8	RVV	04/19/19 20:11	
1D91246-29	W. Parker St.			Matrix:Drink Wtr		Collected: 04/10/19 04:30	
Copper, total	0.123 mg/L	0.0025	1CD0856	200.8	RVV	04/19/19 20:16	
Lead, total	<0.0010 mg/L	0.0010	1CD0856	200.8	RVV	04/19/19 20:16	
1D91246-30	Kirkwood Ave.			Matrix:Drink Wtr		Collected: 04/09/19 05:00	
Copper, total	0.0441 mg/L	0.0025	1CD0856	200.8	RVV	04/19/19 20:21	
Lead, total	<0.0010 mg/L	0.0010	1CD0856	200.8	RVV	04/19/19 20:21	

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1D91246-31	Bertch Ave.			Matrix:Drink Wtr		Collected: 04/09/19 04:30	
Copper, total	0.0742 mg/L	0.0025	1CD0856	200.8	RVV	04/19/19 20:36	
Lead, total	<0.0010 mg/L	0.0010	1CD0856	200.8	RVV	04/19/19 20:36	
1D91246-32	Hanna Blvd.			Matrix:Drink Wtr		Collected: 04/11/19 07:45	
Copper, total	0.0724 mg/L	0.0025	1CD0856	200.8	RVV	04/19/19 20:41	
Lead, total	0.0013 mg/L	0.0010	1CD0856	200.8	RVV	04/19/19 20:41	
1D91246-33	Patton Ave.			Matrix:Drink Wtr		Collected: 04/11/19 08:00	
Copper, total	0.0376 mg/L	0.0025	1CD0856	200.8	RVV	04/19/19 20:46	
Lead, total	<0.0010 mg/L	0.0010	1CD0856	200.8	RVV	04/19/19 20:46	

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