



Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

August 20, 2024

Colleen Kelly
JUSTICE WILLOW SPRINGS WATER COMMISSION
7000 S Archer Ave
Justice, IL 60458

Dear Colleen Kelly:

Please find enclosed the analytical results for the sample(s) the laboratory received. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the Director of Client Services, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lgrant@pdclab.com.

Sincerely,

A handwritten signature in cursive script that reads "Valerie Bennett".

Valerie Bennett
Project Manager
(309)683-1737
valerie.bennett@pacelabs.com



SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order HG03455

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
YES	Zero headspace, <6 mm present in VOA vials
YES	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided



Work Order HG03462

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
YES	Zero headspace, <6 mm present in VOA vials
YES	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided



Work Order HG04768

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
YES	Zero headspace, <6 mm present in VOA vials
YES	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided



Work Order HG05151

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
YES	Zero headspace, <6 mm present in VOA vials
YES	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided



Work Order HH00104

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
YES	Zero headspace, <6 mm present in VOA vials
YES	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided



Work Order HH01664

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
YES	Zero headspace, <6 mm present in VOA vials
YES	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided



LEAD ANALYTICAL RESULTS

Reg ID: IL0315820

Method: EPA 200.8 REV 5.4

Matrix: Drinking Water

Record	Result	Units	Site	Sample	Sampled	Received	Analyzed	Analyst
1	< 1.0	ug/L	LP1A006 - 7546 S BANKS ST	HG03455-01	07/16/24 07:00	07/18/24 13:20	07/25/24 16:54	BRS
2	< 1.0	ug/L	LP1A037 - 8030 FAWN TRAIL	HG03455-05	07/18/24 06:30	07/18/24 13:20	07/25/24 17:00	BRS
3	< 1.0	ug/L	LP1A003 - 7508 S BANKS ST	HG03462-01	07/16/24 06:30	07/18/24 10:30	07/25/24 17:11	BRS
4	< 1.0	ug/L	LP1A047 - 9045 OAK RIDGE DR	HG05151-01	07/25/24 08:00	07/26/24 10:30	08/06/24 13:17	WJM
5	< 1.0	ug/L	LP1A039 - 8041 FAWN TRAIL	HG05151-07	07/24/24 08:30	07/26/24 10:30	08/06/24 13:28	WJM
6	< 1.0	ug/L	LP1A030 - 8050 DEER PATH	HG04768-02	07/18/24 04:31	07/25/24 19:00	08/01/24 18:38	BRS
7	< 1.0	ug/L	LP1A044 - 9020 OAK RDIGE DR	HG05151-04	07/21/24 04:00	07/26/24 10:30	08/06/24 13:21	WJM
8	< 1.0	ug/L	LP1A013 - 212 POSTON RD	HG03455-06	07/17/24 07:00	07/18/24 13:20	07/25/24 17:07	BRS
9	< 1.0	ug/L	LP1A010 - 200 POSTON RD	HG03455-07	07/16/24 05:00	07/18/24 13:20	07/25/24 17:08	BRS
10	< 1.0	ug/L	LP1A023 - 8014 DEER PATH	HG05151-06	07/25/24 05:30	07/26/24 10:30	08/06/24 13:27	WJM
11	< 1.0	ug/L	LP1A028 - 8043 DEER PATH	HG04768-03	07/19/24 07:06	07/25/24 19:00	08/01/24 18:42	BRS
12	< 1.0	ug/L	LP1A027 - 8038 DEER PATH	HG04768-04	07/18/24 16:00	07/25/24 19:00	08/01/24 18:43	BRS
13	< 1.0	ug/L	LP1A005 - 7531 S BANKS ST	HG05151-03	07/24/24 05:30	07/26/24 10:30	08/06/24 13:20	WJM
14	< 1.0	ug/L	LP1A024 - 8019 DEER PATH	HG04768-06	07/17/24 19:00	07/25/24 19:00	08/01/24 18:46	BRS
15	< 1.0	ug/L	LP1A045 - 9024 OAK RIDGE DR	HG04768-01	07/17/24 15:00	07/25/24 19:00	08/01/24 18:36	BRS
16	< 1.0	ug/L	LP1A016 - 242 POSTON RD	HG03455-03	07/17/24 08:00	07/18/24 13:20	07/25/24 16:57	BRS
17	< 1.0	ug/L	LP1A025 - 8020 DEER PATH	HG04768-05	07/16/24 20:00	07/25/24 19:00	08/01/24 18:44	BRS
18	< 1.0	ug/L	LP1A034 - 8023 FAWN TRAIL	HG05151-08	07/25/24 07:05	07/26/24 10:30	08/06/24 13:30	WJM
19	< 1.0	ug/L	LP1A054 - 8408 WILLOW WEST DR	HG03462-02	07/15/24 18:25	07/18/24 10:30	07/25/24 17:13	BRS
20	< 1.0	ug/L	LP1A001 - 7500 S BANKS ST	HG04768-08	07/18/24 09:08	07/25/24 19:00	08/01/24 18:49	BRS
21	< 1.0	ug/L	LA1A064 - 200 N PEARL	HH00104-03	07/23/24 20:00	08/01/24 13:55	08/12/24 09:21	BRS
22	< 1.0	ug/L	LP1A008 - 101 POSTON RD	HG04768-07	07/22/24 06:35	07/25/24 19:00	08/01/24 18:47	BRS
23	< 1.0	ug/L	LP1A002 - 7505 S BANKS ST	HG05151-02	07/25/24 07:30	07/26/24 10:30	08/06/24 13:18	WJM
24	< 1.0	ug/L	LP1A058 - 8835 W 75TH ST	HH00104-02	07/30/24 18:30	08/01/24 13:55	08/12/24 09:19	BRS
25	< 1.0	ug/L	LP1A049 - 8304 WILLOW WEST DR	HG03455-04	07/18/24 06:10	07/18/24 13:20	07/25/24 16:59	BRS
26	< 1.0	ug/L	LP1A017 - 243 POSTON RD	HG03455-08	07/18/24 07:17	07/18/24 13:20	07/25/24 17:10	BRS
27	< 1.0	ug/L	LP1A004 - 7519 S BANKS ST	HH00104-01	07/26/24 04:30	08/01/24 13:55	08/12/24 09:18	BRS
28	< 1.0	ug/L	LP1A031 - 8005 FAWN TRAIL	HG03455-02	07/18/24 10:00	07/18/24 13:20	07/25/24 16:56	BRS
29	< 1.0	ug/L	LP1A035 - 8024 FAWN TRAIL	HH01664-01	08/07/24 05:30	08/08/24 16:40	08/19/24 09:53	BRS
30	1.8	ug/L	LP1A041 - 9000 OAK RIDGE DR	HG05151-05	07/24/24 08:00	07/26/24 10:30	08/06/24 13:23	WJM



COPPER ANALYTICAL RESULTS

Reg ID: IL0315820

Method: EPA 200.8 REV 5.4

Matrix: Drinking Water

Record	Result	Units	Site	Sample	Sampled	Received	Analyzed	Analyst
1	< 3.0	ug/L	LP1A039 - 8041 FAWN TRAIL	HG05151-07	07/24/24 08:30	07/26/24 10:30	08/06/24 13:28	WJM
2	4.6	ug/L	LP1A005 - 7531 S BANKS ST	HG05151-03	07/24/24 05:30	07/26/24 10:30	08/06/24 13:20	WJM
3	5.5	ug/L	LP1A023 - 8014 DEER PATH	HG05151-06	07/25/24 05:30	07/26/24 10:30	08/06/24 13:27	WJM
4	5.6	ug/L	LP1A054 - 8408 WILLOW WEST DR	HG03462-02	07/15/24 18:25	07/18/24 10:30	07/25/24 17:13	BRS
5	6.7	ug/L	LP1A001 - 7500 S BANKS ST	HG04768-08	07/18/24 09:08	07/25/24 19:00	08/01/24 18:49	BRS
6	6.8	ug/L	LP1A058 - 8835 W 75TH ST	HH00104-02	07/30/24 18:30	08/01/24 13:55	08/12/24 09:19	BRS
7	7.3	ug/L	LP1A045 - 9024 OAK RIDGE DR	HG04768-01	07/17/24 15:00	07/25/24 19:00	08/01/24 18:36	BRS
8	8.4	ug/L	LP1A030 - 8050 DEER PATH	HG04768-02	07/18/24 04:31	07/25/24 19:00	08/01/24 18:38	BRS
9	8.6	ug/L	LP1A016 - 242 POSTON RD	HG03455-03	07/17/24 08:00	07/18/24 13:20	07/25/24 16:57	BRS
10	12	ug/L	LP1A034 - 8023 FAWN TRAIL	HG05151-08	07/25/24 07:05	07/26/24 10:30	08/06/24 13:30	WJM
11	15	ug/L	LP1A006 - 7546 S BANKS ST	HG03455-01	07/16/24 07:00	07/18/24 13:20	07/25/24 16:54	BRS
12	16	ug/L	LP1A003 - 7508 S BANKS ST	HG03462-01	07/16/24 06:30	07/18/24 10:30	07/25/24 17:11	BRS
13	17	ug/L	LP1A035 - 8024 FAWN TRAIL	HH01664-01	08/07/24 05:30	08/08/24 16:40	08/19/24 09:53	BRS
14	19	ug/L	LP1A024 - 8019 DEER PATH	HG04768-06	07/17/24 19:00	07/25/24 19:00	08/01/24 18:46	BRS
15	20	ug/L	LP1A017 - 243 POSTON RD	HG03455-08	07/18/24 07:17	07/18/24 13:20	07/25/24 17:10	BRS
16	35	ug/L	LP1A008 - 101 POSTON RD	HG04768-07	07/22/24 06:35	07/25/24 19:00	08/01/24 18:47	BRS
17	40	ug/L	LA1A064 - 200 N PEARL	HH00104-03	07/23/24 20:00	08/01/24 13:55	08/12/24 09:21	BRS
18	42	ug/L	LP1A004 - 7519 S BANKS ST	HH00104-01	07/26/24 04:30	08/01/24 13:55	08/12/24 09:18	BRS
19	45	ug/L	LP1A010 - 200 POSTON RD	HG03455-07	07/16/24 05:00	07/18/24 13:20	07/25/24 17:08	BRS
20	45	ug/L	LP1A027 - 8038 DEER PATH	HG04768-04	07/18/24 16:00	07/25/24 19:00	08/01/24 18:43	BRS
21	47	ug/L	LP1A044 - 9020 OAK RDIGE DR	HG05151-04	07/21/24 04:00	07/26/24 10:30	08/06/24 13:21	WJM
22	49	ug/L	LP1A041 - 9000 OAK RIDGE DR	HG05151-05	07/24/24 08:00	07/26/24 10:30	08/06/24 13:23	WJM
23	53	ug/L	LP1A049 - 8304 WILLOW WEST DR	HG03455-04	07/18/24 06:10	07/18/24 13:20	07/25/24 16:59	BRS
24	54	ug/L	LP1A031 - 8005 FAWN TRAIL	HG03455-02	07/18/24 10:00	07/18/24 13:20	07/25/24 16:56	BRS
25	59	ug/L	LP1A028 - 8043 DEER PATH	HG04768-03	07/19/24 07:06	07/25/24 19:00	08/01/24 18:42	BRS
26	73	ug/L	LP1A047 - 9045 OAK RIDGE DR	HG05151-01	07/25/24 08:00	07/26/24 10:30	08/06/24 13:17	WJM
27	82	ug/L	LP1A002 - 7505 S BANKS ST	HG05151-02	07/25/24 07:30	07/26/24 10:30	08/06/24 13:18	WJM
28	93	ug/L	LP1A013 - 212 POSTON RD	HG03455-06	07/17/24 07:00	07/18/24 13:20	07/25/24 17:07	BRS
29	130	ug/L	LP1A025 - 8020 DEER PATH	HG04768-05	07/16/24 20:00	07/25/24 19:00	08/01/24 18:44	BRS
30	180	ug/L	LP1A037 - 8030 FAWN TRAIL	HG03455-05	07/18/24 06:30	07/18/24 13:20	07/25/24 17:00	BRS



NOTES

How do I evaluate my results? (40 CFR 141.80(c)(3) & 141.86(f))

Lead and copper analytical results are evaluated against an action level, not an MCL. The lead action level is exceeded if the concentration of lead in more than 10 percent of tap water samples collected during any monitoring period is greater than 15 ug/ L (i.e., if the 90th percentile level lead level is greater than 15 ug/L. The copper action level is exceeded if the concentration of copper in more than 10 percent of tap water samples collected during any monitoring period conducted is greater than 1300 ug/ L (i.e., if the 90 percentile copper level is greater than 1300 ug/L. All samples that meet the proper site selection and sample collection procedures are used to determine the 90th percentile calculation, even if you collect samples from more sites than required.

To calculate 90% when collecting 5 samples:

1. Take the average of the 4th and 5th highest sample by adding the 2 results together and dividing by 2.
2. Compare the 90% level to the lead and copper action level listed above.

To calculate 90% when collecting MORE than 5 samples:

1. The report indicates the lead and copper results in ascending order (from lowest to highest value).
2. If collecting:
 - 10 samples = 9th highest sample is 90%
 - 20 samples = 18th highest sample is 90%
 - 30 samples = 27th highest sample is 90%
 - 40 samples = 36th highest sample is 90%
 - 50 samples = 45th highest sample is 90%
 - 60 samples = 54th highest sample is 90%
3. If your 90th percentile value is higher than 15 ug/L for lead or 1300 ug/L for copper, you have an exceedance.



Pace Analytical Services, LLC
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Peoria, IL 61615
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NOTES

Specifications regarding method revisions and method modifications used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Valerie Bennett



Certified by: Valerie Bennett, Project Manager

