



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

September 01, 2023

Jeff Weiss
Flint Creek/Spring Creek Watersheds Partnership
821 Heatherdown Way
Buffalo Grove, IL 60050

RE: Surface Water Monitoring

Dear Jeff Weiss:

Please find enclosed the analytical results for the **6** sample(s) the laboratory received on **8/16/23 2:39 pm** and logged in under work order **GH03504**. 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 General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

A handwritten signature in black ink that reads "Diane Billings".

Diane Billings
Project Manager



SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order GH03504

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



ANALYTICAL RESULTS

Sample: GH03504-01
Name: SCFRG3Q Lincoln (SC6)
Matrix: Surface Water - Grab

Sampled: 08/16/23 09:45
Received: 08/16/23 14:39

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<u>General Chemistry - CHI</u>									
Chloride	110	mg/L		08/25/23 16:15	2	2.0	08/25/23 16:15	MCM	SM 4500 CL E 2011
pH	8.20	pH Units	FP	08/16/23 16:37	1		08/16/23 16:37	MCM	SM 4500H B 2000 21Ed
Solids - total dissolved solids (TDS)	480	mg/L		08/21/23 11:19	1	20	08/21/23 11:19	JLM	SM 2540C 1997 21Ed (Modified)*
Solids - total suspended solids (TSS)	4.4	mg/L		08/21/23 15:59	1	4.0	08/21/23 15:59	JLM	SM 2540D 1997
Temperature at pH measurement	15	°C		08/16/23 16:37	1		08/16/23 16:37	MCM	SM 2550 B*
<u>Microbiology - CHI</u>									
Fecal coliform bacteria	153	MPN/100mL		08/16/23 16:30	1	1.00	08/16/23 16:30	MCM	Colilert-18*
<u>Nutrients - CHI</u>									
Phosphorus - total as P	< 0.10	mg/L		08/17/23 11:13	1	0.10	08/17/23 15:51	AWS	SM 4500P F 1999
<u>Nutrients - PIA</u>									
Total Kjeldahl Nitrogen (TKN)	1.1	mg/L		08/24/23 10:51	1	1.0	08/30/23 12:28	NWT	OIA/PAI-DK03 & EPA 351.2 REV 2



ANALYTICAL RESULTS

Sample: GH03504-02
Name: SCBHRR1 Rock Ridge (SC5)
Matrix: Surface Water - Grab

Sampled: 08/16/23 10:18
Received: 08/16/23 14:39

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<u>General Chemistry - CHI</u>									
Chloride	130	mg/L		08/25/23 16:16	2	2.0	08/25/23 16:16	MCM	SM 4500 CL E 2011
pH	8.07	pH Units	FP	08/16/23 16:40	1		08/16/23 16:40	MCM	SM 4500H B 2000 21Ed
Solids - total dissolved solids (TDS)	560	mg/L	M	08/21/23 11:19	1	20	08/21/23 11:19	JLM	SM 2540C 1997 21Ed (Modified)*
Solids - total suspended solids (TSS)	4.0	mg/L		08/21/23 15:59	1	4.0	08/21/23 15:59	JLM	SM 2540D 1997
Temperature at pH measurement	16	°C		08/16/23 16:40	1		08/16/23 16:40	MCM	SM 2550 B*
<u>Microbiology - CHI</u>									
Fecal coliform bacteria	205	MPN/100mL		08/16/23 16:30	1	1.00	08/16/23 16:30	MCM	Colilert-18*
<u>Nutrients - CHI</u>									
Phosphorus - total as P	< 0.10	mg/L		08/17/23 11:13	1	0.10	08/17/23 15:51	AWS	SM 4500P F 1999
<u>Nutrients - PIA</u>									
Total Kjeldahl Nitrogen (TKN)	1.0	mg/L		08/24/23 10:51	1	1.0	08/30/23 12:30	NWT	OIA/PAI-DK03 & EPA 351.2 REV 2



ANALYTICAL RESULTS

Sample: GH03504-03
Name: SCBH2Q Lake Cook (SC4)
Matrix: Surface Water - Grab

Sampled: 08/16/23 10:45
Received: 08/16/23 14:39

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<u>General Chemistry - CHI</u>									
Chloride	150	mg/L		08/25/23 16:17	2	2.0	08/25/23 16:17	MCM	SM 4500 CL E 2011
pH	7.54	pH Units	FP	08/16/23 16:42	1		08/16/23 16:42	MCM	SM 4500H B 2000 21Ed
Solids - total dissolved solids (TDS)	500	mg/L		08/21/23 11:19	1	20	08/21/23 11:19	JLM	SM 2540C 1997 21Ed (Modified)*
Solids - total suspended solids (TSS)	< 4.0	mg/L		08/21/23 15:59	1	4.0	08/21/23 15:59	JLM	SM 2540D 1997
Temperature at pH measurement	15	°C		08/16/23 16:42	1		08/16/23 16:42	MCM	SM 2550 B*
<u>Microbiology - CHI</u>									
Fecal coliform bacteria	23.3	MPN/100mL		08/16/23 16:30	1	1.00	08/16/23 16:30	MCM	Colilert-18*
<u>Nutrients - CHI</u>									
Phosphorus - total as P	0.10	mg/L		08/17/23 11:13	1	0.10	08/17/23 15:56	AWS	SM 4500P F 1999
<u>Nutrients - PIA</u>									
Total Kjeldahl Nitrogen (TKN)	1.3	mg/L		08/24/23 10:51	1	1.0	08/30/23 12:34	NWT	OIA/PAI-DK03 & EPA 351.2 REV 2



ANALYTICAL RESULTS

Sample: GH03504-04
Name: SCBH1Q Algonquin (SC3)
Matrix: Surface Water - Grab

Sampled: 08/16/23 11:07
Received: 08/16/23 14:39

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<u>General Chemistry - CHI</u>									
Chloride	170	mg/L		08/25/23 16:21	2	2.0	08/25/23 16:21	MCM	SM 4500 CL E 2011
pH	7.93	pH Units	FP	08/16/23 16:45	1		08/16/23 16:45	MCM	SM 4500H B 2000 21Ed
Solids - total dissolved solids (TDS)	570	mg/L		08/21/23 11:19	1	20	08/21/23 11:19	JLM	SM 2540C 1997 21Ed (Modified)*
Solids - total suspended solids (TSS)	13	mg/L		08/21/23 15:59	1	4.0	08/21/23 15:59	JLM	SM 2540D 1997
Temperature at pH measurement	14	°C		08/16/23 16:45	1		08/16/23 16:45	MCM	SM 2550 B*
<u>Microbiology - CHI</u>									
Fecal coliform bacteria	126	MPN/100mL		08/16/23 16:30	1	1.00	08/16/23 16:30	MCM	Colilert-18*
<u>Nutrients - CHI</u>									
Phosphorus - total as P	0.12	mg/L		08/17/23 11:13	1	0.10	08/17/23 15:57	AWS	SM 4500P F 1999
<u>Nutrients - PIA</u>									
Total Kjeldahl Nitrogen (TKN)	1.5	mg/L		08/24/23 10:51	1	1.0	08/30/23 12:36	NWT	OIA/PAI-DK03 & EPA 351.2 REV 2



ANALYTICAL RESULTS

Sample: GH03504-05
Name: SCBH62 Dundee Rd (SC2)
Matrix: Surface Water - Grab

Sampled: 08/16/23 12:15
Received: 08/16/23 14:39

Table with 10 columns: Parameter, Result, Unit, Qualifier, Prepared, Dilution, MRL, Analyzed, Analyst, Method. Rows include General Chemistry - CHI (Chloride, pH, Solids - total dissolved solids (TDS), Solids - total suspended solids (TSS), Temperature at pH measurement), Microbiology - CHI (Fecal coliform bacteria), and Nutrients - CHI (Phosphorus - total as P), Nutrients - PIA (Total Kjeldahl Nitrogen (TKN)).



ANALYTICAL RESULTS

Sample: GH03504-06
Name: SCSB1 Sutton Road (SC1)
Matrix: Surface Water - Grab

Sampled: 08/16/23 12:50
Received: 08/16/23 14:39

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<u>General Chemistry - CHI</u>									
Chloride	330	mg/L		08/25/23 16:28	5	5.0	08/25/23 16:28	MCM	SM 4500 CL E 2011
pH	7.93	pH Units	FP	08/16/23 16:47	1		08/16/23 16:47	MCM	SM 4500H B 2000 21Ed
Solids - total dissolved solids (TDS)	820	mg/L		08/21/23 11:19	1	20	08/21/23 11:19	JLM	SM 2540C 1997 21Ed (Modified)*
Solids - total suspended solids (TSS)	33	mg/L		08/21/23 15:59	1	4.0	08/21/23 15:59	JLM	SM 2540D 1997
Temperature at pH measurement	14	°C		08/16/23 16:47	1		08/16/23 16:47	MCM	SM 2550 B*
<u>Microbiology - CHI</u>									
Fecal coliform bacteria	108	MPN/100mL		08/16/23 16:30	1	1.00	08/16/23 16:30	MCM	Colilert-18*
<u>Nutrients - CHI</u>									
Phosphorus - total as P	0.11	mg/L		08/17/23 11:13	1	0.10	08/17/23 16:00	AWS	SM 4500P F 1999
<u>Nutrients - PIA</u>									
Total Kjeldahl Nitrogen (TKN)	1.0	mg/L		08/24/23 10:51	1	1.0	08/30/23 12:43	NWT	OIA/PAI-DK03 & EPA 351.2 REV 2



NOTES

Specifications regarding method revisions, method modifications, and calculations 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

Qualifiers

- FP Per analytical methodology this analyte is a field parameter that must be analyzed at time of sample collection to meet hold time requirements. The sample was analyzed in the laboratory as soon as possible after receipt. Data is to be viewed with caution.
- M Analyte failed to meet the required acceptance criteria for duplicate analysis.



Certified by: Diane Billings, Project Manager

SUBCONTRACT ORDER
Transfer Chain of Custody

Pace Analytical Services, LLC

GH03504

SENDING LABORATORY

PDC Laboratories, Inc.
4314-A Crystal Lake Road
McHenry, IL 60050
(815)344-4044

RECEIVING LABORATORY

Pace Analytical Services, LLC - Peoria
2231 W Altorfer Dr
Peoria, IL 61615
(309) 692-9688

Sample: GH03504-01
Name: SCFRG3Q Lincoln (SC6)

Sampled: 08/16/23 09:45
Matrix: Surface Water
Preservative: H2SO4, cool <6

Analysis	Due	Expires	Comments
TKN GD	08/29/23 16:00	09/13/23 09:45	

Sample: GH03504-02
Name: SCBHRR1 Rock Ridge (SC5)

Sampled: 08/16/23 10:18
Matrix: Surface Water
Preservative: H2SO4, cool <6

Analysis	Due	Expires	Comments
TKN GD	08/29/23 16:00	09/13/23 10:18	

Sample: GH03504-03
Name: SCBH2Q Lake Cook (SC4)

Sampled: 08/16/23 10:45
Matrix: Surface Water
Preservative: H2SO4, cool <6

Analysis	Due	Expires	Comments
TKN GD	08/29/23 16:00	09/13/23 10:45	

Sample: GH03504-04
Name: SCBH1Q Algonquin (SC3)

Sampled: 08/16/23 11:07
Matrix: Surface Water
Preservative: H2SO4, cool <6

Analysis	Due	Expires	Comments
TKN GD	08/29/23 16:00	09/13/23 11:07	

Sample: GH03504-05
Name: SCBH62 Dundee Rd (SC2)

Sampled: 08/16/23 12:15
Matrix: Surface Water
Preservative: H2SO4, cool <6

Analysis	Due	Expires	Comments
TKN GD	08/29/23 16:00	09/13/23 12:15	

SUBCONTRACT ORDER
Transfer Chain of Custody

Pace Analytical Services, LLC

GH03504

SENDING LABORATORY

PDC Laboratories, Inc.
4314-A Crystal Lake Road
McHenry, IL 60050
(815)344-4044

RECEIVING LABORATORY

Pace Analytical Services, LLC - Peoria
2231 W Altorfer Dr
Peoria, IL 61615
(309) 692-9688

Sample: GH03504-06
Name: SCSB1 Sutton Road (SC1)

Sampled: 08/16/23 12:50
Matrix: Surface Water
Preservative: H2SO4, cool <6

Analysis	Due	Expires	Comments
TKN GD	08/29/23 16:00	09/13/23 12:50	

Please email results to Taylor Cordle at taylor.cordle@pacelabs.com

Date Shipped: 8/17/23 Total # of Containers: 6 Sample Origin (State): _____ PO #: _____

Turn-Around Time Requested NORMAL RUSH Date Results Needed: _____

Relinquished By <u>[Signature]</u>	Date/Time <u>8/17/23 9:00</u>	Received By <u>[Signature]</u>	Date/Time <u>17/08/23/11:02</u>	Sample Temperature Upon Receipt	<u>5.2</u> °C
Relinquished By <u>[Signature]</u>	Date/Time <u>17/08/23/15:25</u>	Received By <u>[Signature]</u>	Date/Time <u>8/17/23</u>	Sample(s) Received on Ice	<u>Y</u> or N
				Proper Bottles Received in Good Condition	<u>Y</u> or N
				Bottles Filled with Adequate Volume	<u>Y</u> or N
				Samples Received Within Hold Time	<u>Y</u> or N
				Date/Time Taken From Sample Bottle	<u>Y</u> or N