

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.

Dian 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



Sample: GH03504-01 Sampled: 08/16/23 09:45 Name: SCFRG3Q Lincoln (SC6) Received: 08/16/23 14:39 Matrix: Surface Water - Grab Surface Water - Grab Sampled: 08/16/23 14:39									
Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
General Chemistry - CHI									
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*
Microbiology - CHI									
Fecal coliform bacteria	153	MPN/100mL		08/16/23 16:30	1	1.00	08/16/23 16:30	MCM	Colilert-18*
Nutrients - CHI									
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
Nutrients - PIA									
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



Sample: GH03504-02 Sampled: 08/16/23 10:18 Name: SCBHRR1 Rock Ridge (SC5) Received: 08/16/23 14:39 Matrix: Surface Water - Grab Surface Water - Grab									
Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
General Chemistry - CHI									
Chloride	130	mg/L		08/25/23 16:16	2	2.0	08/25/23 16:16	MCM	SM 4500 CL E
pН	8.07	pH Units	FP	08/16/23 16:40	1		08/16/23 16:40	MCM	2011 SM 4500H B 2000 21Ed
Solids - total dissolved solids (TDS)	560	mg/L	Μ	08/21/23 11:19	1	20	08/21/23 11:19	JLM	SM 2540C 1997 21Ed (Modified)*
Solids - total suspended	4.0	mg/L		08/21/23 15:59	1	4.0	08/21/23 15:59	JLM	SM 2540D 1997
solids (TSS) 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*
Nutrients - CHI									
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
Nutrients - PIA									
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



Sample: GH03504-03 Sampled: 08/16/23 10:45 Name: SCBH2Q Lake Cook (SC4) Received: 08/16/23 14:39 Matrix: Surface Water - Grab Other Science									
Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
General Chemistry - CHI									
Chloride	150	mg/L		08/25/23 16:17	2	2.0	08/25/23 16:17	MCM	SM 4500 CL E 2011
pН	7.54	pH Units	FP	08/16/23 16:42	1		08/16/23 16:42	MCM	2011 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	< 4.0	mg/L		08/21/23 15:59	1	4.0	08/21/23 15:59	JLM	SM 2540D 1997
solids (TSS) 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*
Nutrients - CHI									
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
Nutrients - PIA									
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



Sample: GH03504-04 Sampled: 08/16/23 11:07 Name: SCBH1Q Algonquin (SC3) Received: 08/16/23 14:39 Matrix: Surface Water - Grab 08/16/23 14:39									
Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
General Chemistry - CHI									
Chloride	170	mg/L		08/25/23 16:21	2	2.0	08/25/23 16:21	MCM	SM 4500 CL E 2011
pН	7.93	pH Units	FP	08/16/23 16:45	1		08/16/23 16:45	MCM	2011 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 (TDC) 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*
Nutrients - CHI									
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



Sample: GH03504-05 Sampled: 08/16/23 12:15 Name: SCBH62 Dundee Rd (SC2) Received: 08/16/23 14:39 Matrix: Surface Water - Grab Surface Water - Grab									
Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
General Chemistry - CHI									
Chloride	220	mg/L		08/25/23 16:22	5	5.0	08/25/23 16:22	MCM	SM 4500 CL E 2011
рН	8.11	pH Units	FP	08/16/23 16:46	1		08/16/23 16:46	MCM	2011 SM 4500H B 2000 21Ed
Solids - total dissolved solids (TDS)	530	mg/L		08/21/23 11:19	1	20	08/21/23 11:19	JLM	SM 2540C 1997 21Ed (Modified)*
Solids (TDC) Solids - total suspended solids (TSS)	5.2	mg/L		08/21/23 15:59	1	4.0	08/21/23 15:59	JLM	SM 2540D 1997
Temperature at pH measurement	13	°C		08/16/23 16:46	1		08/16/23 16:46	MCM	SM 2550 B*
<u> Microbiology - CHI</u>									
Fecal coliform bacteria	260	MPN/100mL		08/16/23 16:30	1	1.00	08/16/23 16:30	MCM	Colilert-18*
Nutrients - CHI									
Phosphorus - total as P	0.11	mg/L		08/17/23 11:13	1	0.10	08/17/23 15:58	AWS	SM 4500P F 1999
Nutrients - PIA									
Total Kjeldahl Nitrogen (TKN)	1.3	mg/L		08/24/23 10:51	1	1.0	08/30/23 12:37	NWT	OIA/PAI-DK03 & EPA 351.2 REV 2



Sample: GH03504-06 Sampled: 08/16/23 12:50 Name: SCSB1 Sutton Road (SC1) Received: 08/16/23 14:39 Matrix: Surface Water - Grab Surface Water - Grab									
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
рН	7.93	pH Units	FP	08/16/23 16:47	1		08/16/23 16:47	MCM	2011 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	33	mg/L		08/21/23 15:59	1	4.0	08/21/23 15:59	JLM	SM 2540D 1997
solids (TSS) 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*
Nutrients - CHI									
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.

Dian Billings



Certified by: Diane Billings, Project Manager

PACE ANALYTICAL SERVICES		REGULATORY PROGRAM (CIRCLE):	M (CIRCLE):		NPDES		—		ប	HAIN C	CHAIN OF CUSTODY RECORD	
Pace WWW.PACELABS.COM		MORBCA			RCRA			C		1.00		
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	ALLI	ALL HIGHLIGHTED AR	AREAS <u>MUST</u> BE COMPLETED BY CLIENT (PLEASE PRINT)	PLETED BY	CLIENT (PLE.	ASE PRINT)						
Client Creek/Spring Creek Watersheds Partnership			PROJECT LOCATION	CATION	PURCHASE ORDER #	ORDER #	\bigcirc	ANALYSIS	ANALYSIS REQUESTED	TED	0 4	
ADDRESS 821 Heatherdown Way		PHONE NUMBER	E-MAIL	- 16. M	DATE SHIPPED	IIPPED					LOGIN # 0-11 D 5 > 0-1 LOGGED BY:	
arre Buffalo Grove IL 60050	SAMPLER (PLEASE PRINT)	ACL	Perss		MATRIX TYPES WW- WASTEWATER DW- DRUNGING WATER WWSI, SLIIDGE	LYPES: ER ATER JER			h shorus		CLIENT:	
CONTACT PERSON Jeff Weiss	SIGNATURE	WENN	11 App	n Dir Migrid	MARS HOURD SOLID LCHT-LEACHATE OL-OIL SOLSOIL SOLSOIL	dia solid				d i	CUSTODY SEAL #:	
2 (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)			SAMPLE TYPE GRAB COMP	MATRIX TYPE	BOTTLE COUNT	PRES CODE CLIENT PROVIDED	Chlor	Feca, Feca	TKN,	4 -1	REMARKS	
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SCBH62 DWndburgh	·1 (4.3:	12:15	>	e	5		i.	X	X			
SCSBI Switten Rea	NSGI) 11	12:50	>	-10	1.2		8	X	X			
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CHEMICAL PRESERVATION CODES: 1-HCL 2-H2SO4	3 - HNO3 4 - NAOH	1 2	NA2S203 6 – UNF	6 – UNPRESERVED	7 – OTHER				-			
TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARGE) RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE	L L NORMAL RUSH KGE)		DATE RESULTS NEEDED	0	I understand not meet all : Policy and th	that by initia sample confo e data will be	ing this b rmance re qualified.	x I give th tuirement Qualified	ne lab per Is as defin data may	nission to pr ed in the rec VOT be acce	I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may <u>NOT</u> be acceptable to report to all regulatory authorities.	
EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:	I ABOVE:				PROCEED V	PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS)	IS AND Q	IALIFY RE	ESULTS: (INITIALS)		-
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SUBCONTRACT ORDER Transfer Chain of Custody

Pace Analytical Services, LLC

GH03504

SENDING L	ABORATORY		RECEIVING	LABORATOR	<u>Y</u>
PDC Laborat 4314-A Cryst McHenry, IL (815)344-404	tal Lake Road 60050		Pace Analyt 2231 W Alto Peoria, IL 6 (309) 692-90	1615	_C - Peoria
	GH03504-01 SCFRG3Q Lincoln	(SC6)		Matrix:	08/16/23 09:45 Surface Water H2SO4, cool <6
Analysis		Due	Expires	Comm	ents
TKN GD		08/29/23 16:00	09/13/23 09:45		
	GH03504-02 SCBHRR1 Rock R	idge (SC5)		Matrix:	08/16/23 10:18 Surface Water H2SO4, cool <6
Analysis		Due	Expires	Comm	ents
TKN GD		08/29/23 16:00	09/13/23 10:18		
and the second	GH03504-03 SCBH2Q Lake Coo	ok (SC4)		Matrix:	08/16/23 10:45 Surface Water H2SO4, cool <6
Analysis		Due	Expires	Comm	ents
TKN GD		08/29/23 16:00	09/13/23 10:45		
	GH03504-04 SCBH1Q Algonquin	n (SC3)		Matrix:	08/16/23 11:07 Surface Water H2SO4, cool <6
Analysis		Due	Expires	Comm	ents
TKN GD		08/29/23 16:00	09/13/23 11:07		
	GH03504-05 SCBH62 Dundee F	Rd (SC2)		Matrix:	08/16/23 12:15 Surface Water H2SO4, cool <6
Analysis		Due	Expires	Comm	ents
TKN GD		08/29/23 16:00	09/13/23 12:15		

SUBCONTRACT ORDER Transfer Chain of Custody

Pace Analytical Services, LLC

GH03504

SENDING LABORATORYRECEIVING LABORATORYPDC Laboratories, Inc.Pace Analytical Services, LLC - Peoria4314-A Crystal Lake Road2231 W Altorfer DrMcHenry, IL 60050
(815)344-4044Peoria, IL 61615
(309) 692-9688Sample: GH03504-06
Name: SCSB1 Sutton Road (SC1)Sampled: 08/16/23 12:50
Matrix: Surface Water
Preservative: H2SO4, cool <6</td>

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:	3/123 Total	I # of Containers:	Sample Origin	(State): PO #:	
Turn-Around Tir	me Requested	RMAL RUSH	Date Res	sults Needed:	
	u a			Sample Temperature Upon Receipt	5.2 °C
K	117/38 CAN)	A	המולצהנה	Sample(s) Received on Ice	Nor N
Relinquished By	l Date/Time	Received By	Date/Time	Proper Bottles Received in Good Condition	N 16 Y nc
(1525	Bottles Filled with Adequate Volume	YORN
A	- halong	(D)	K117123	Samples Received Within Hold Time	Y or N
Relinquished By	17 a USU3/1323 Date/Time	Received By	Date/Time	Date/Time Taken From Sample Bottle	Y or N