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

August 30, 2023

Joe Sampson
Urbana City of OH
416 Taft Avenue
Urbana, OH 43078

RE: OH1101212

Dear Joe Sampson:

Please find enclosed the analytical results for the **4** sample(s) the laboratory received on **7/28/23 9:30 am** and logged in under work order **GG05056**. 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.

Janet Clutters

Janet Clutters
Project Manager
(309) 692-9688 x1743
janet.clutters@pacelabs.com

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SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order GG05056

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
NO	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
NO	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided

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ANALYTICAL RESULTS

Sample: GG05056-01
Name: 60493-URBANA WTP 2-EPTDS URBANA STU 3
Reg ID: OH1101212

Sampled: 07/27/23 13:50
Received: 07/28/23 09:30
Matrix: Drinking Water - FS
PO #: 0000030672

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Semivolatile Organics - PFAS - PIA									
PFTrDA	< 0.0070	ug/L		08/08/23 15:45	1	0.0070	08/09/23 23:39	PSB	EPA 537.1 REV1*
NETFOSAA	< 0.0050	ug/L		08/08/23 15:45	1	0.0050	08/09/23 23:39	PSB	EPA 537.1 REV1*
NMEFOSAA	< 0.0060	ug/L		08/08/23 15:45	1	0.0060	08/09/23 23:39	PSB	EPA 537.1 REV1*
PFTeDA	< 0.0080	ug/L		08/08/23 15:45	1	0.0080	08/09/23 23:39	PSB	EPA 537.1 REV1*
PFBA	< 0.0050	ug/L		08/14/23 09:10	1	0.0050	08/17/23 11:02	DJB	EPA 533*
PFMPA	< 0.0040	ug/L		08/14/23 09:10	1	0.0040	08/17/23 11:02	DJB	EPA 533*
PFPeA	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/17/23 11:02	DJB	EPA 533*
PFBS	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/17/23 11:02	DJB	EPA 533*
PFMBA	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/17/23 11:02	DJB	EPA 533*
PFEESA	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/17/23 11:02	DJB	EPA 533*
HFPO-DA	< 0.0050	ug/L		08/14/23 09:10	1	0.0050	08/17/23 11:02	DJB	EPA 533*
NFDHA	< 0.020	ug/L		08/14/23 09:10	1	0.020	08/17/23 11:02	DJB	EPA 533*
4:2 FTS	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/17/23 11:02	DJB	EPA 533*
PFHxS	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/17/23 11:02	DJB	EPA 533*
PFHpA	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/17/23 11:02	DJB	EPA 533*
PFHxA	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/17/23 11:02	DJB	EPA 533*
ADONA	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/17/23 11:02	DJB	EPA 533*
PFPeS	< 0.0040	ug/L		08/14/23 09:10	1	0.0040	08/17/23 11:02	DJB	EPA 533*
6:2 FTS	< 0.0050	ug/L		08/14/23 09:10	1	0.0050	08/17/23 11:02	DJB	EPA 533*
PFOA	< 0.0040	ug/L		08/14/23 09:10	1	0.0040	08/17/23 11:02	DJB	EPA 533*
PFHpS	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/17/23 11:02	DJB	EPA 533*
PFOS	< 0.0040	ug/L		08/14/23 09:10	1	0.0040	08/17/23 11:02	DJB	EPA 533*
PFNA	< 0.0040	ug/L		08/14/23 09:10	1	0.0040	08/17/23 11:02	DJB	EPA 533*
9Cl-PF3ONS	< 0.0020	ug/L		08/14/23 09:10	1	0.0020	08/17/23 11:02	DJB	EPA 533*
8:2 FTS	< 0.0050	ug/L		08/14/23 09:10	1	0.0050	08/17/23 11:02	DJB	EPA 533*
PFDA	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/17/23 11:02	DJB	EPA 533*
PFUnA	< 0.0020	ug/L		08/14/23 09:10	1	0.0020	08/17/23 11:02	DJB	EPA 533*
11Cl-PF3OUdS	< 0.0050	ug/L		08/14/23 09:10	1	0.0050	08/17/23 11:02	DJB	EPA 533*
PFDoA	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/17/23 11:02	DJB	EPA 533*
Total Metals - PIA									
Lithium	< 9.00	ug/L		08/21/23 09:04	2.5	9.00	08/22/23 10:34	BRS	EPA 200.7 REV4.4*

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ANALYTICAL RESULTS

Sample: GG05056-03
Name: 62297-URBANA WTP 3-EPTDS URBANA STU 3
Reg ID: OH1101212

Sampled: 07/27/23 13:35
Received: 07/28/23 09:30
Matrix: Drinking Water - FS
PO #: 0000030672

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Semivolatile Organics - PFAS - PIA									
PFTrDA	< 0.0070	ug/L		08/08/23 15:45	1	0.0070	08/10/23 00:00	PSB	EPA 537.1 REV1*
NETFOSAA	< 0.0050	ug/L		08/08/23 15:45	1	0.0050	08/10/23 00:00	PSB	EPA 537.1 REV1*
NMEFOSAA	< 0.0060	ug/L		08/08/23 15:45	1	0.0060	08/10/23 00:00	PSB	EPA 537.1 REV1*
PFTeDA	< 0.0080	ug/L		08/08/23 15:45	1	0.0080	08/10/23 00:00	PSB	EPA 537.1 REV1*
PFBA	< 0.0050	ug/L		08/14/23 09:10	1	0.0050	08/16/23 12:24	DJB	EPA 533*
PFMPA	< 0.0040	ug/L		08/14/23 09:10	1	0.0040	08/16/23 12:24	DJB	EPA 533*
PFPeA	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/16/23 12:24	DJB	EPA 533*
PFBS	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/16/23 12:24	DJB	EPA 533*
PFMBA	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/16/23 12:24	DJB	EPA 533*
PFEESA	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/16/23 12:24	DJB	EPA 533*
HFPO-DA	< 0.0050	ug/L		08/14/23 09:10	1	0.0050	08/16/23 12:24	DJB	EPA 533*
NFDHA	< 0.020	ug/L		08/14/23 09:10	1	0.020	08/16/23 12:24	DJB	EPA 533*
4:2 FTS	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/16/23 12:24	DJB	EPA 533*
PFHxS	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/16/23 12:24	DJB	EPA 533*
PFHpA	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/16/23 12:24	DJB	EPA 533*
PFHxA	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/16/23 12:24	DJB	EPA 533*
ADONA	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/16/23 12:24	DJB	EPA 533*
PFPeS	< 0.0040	ug/L		08/14/23 09:10	1	0.0040	08/16/23 12:24	DJB	EPA 533*
6:2 FTS	< 0.0050	ug/L		08/14/23 09:10	1	0.0050	08/16/23 12:24	DJB	EPA 533*
PFOA	< 0.0040	ug/L		08/14/23 09:10	1	0.0040	08/16/23 12:24	DJB	EPA 533*
PFHpS	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/16/23 12:24	DJB	EPA 533*
PFOS	< 0.0040	ug/L		08/14/23 09:10	1	0.0040	08/16/23 12:24	DJB	EPA 533*
PFNA	< 0.0040	ug/L		08/14/23 09:10	1	0.0040	08/16/23 12:24	DJB	EPA 533*
9Cl-PF3ONS	< 0.0020	ug/L		08/14/23 09:10	1	0.0020	08/16/23 12:24	DJB	EPA 533*
8:2 FTS	< 0.0050	ug/L		08/14/23 09:10	1	0.0050	08/16/23 12:24	DJB	EPA 533*
PFDA	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/16/23 12:24	DJB	EPA 533*
PFUnA	< 0.0020	ug/L		08/14/23 09:10	1	0.0020	08/16/23 12:24	DJB	EPA 533*
11Cl-PF3OUdS	< 0.0050	ug/L		08/14/23 09:10	1	0.0050	08/16/23 12:24	DJB	EPA 533*
PFDoA	< 0.0030	ug/L		08/14/23 09:10	1	0.0030	08/16/23 12:24	DJB	EPA 533*
Total Metals - PIA									
Lithium	< 9.00	ug/L		08/21/23 09:04	2.5	9.00	08/22/23 10:35	BRS	EPA 200.7 REV4.4*

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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

Janet Clutters

Certified by: Janet Clutters, Project Manager

Project # 66050S6
Project Manager: Janet
Client: Urbana

Courier: ☑ FedEx ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ Other _____
Tracking # 6319 6003 2711
Custody Seal: ☐ Yes ☑ No **Seal intact:** ☐ Yes ☐ No ☐ N/A **Ice:** ☐ Yes ☐ No
Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____

		Comments
Chain of Custody Present	☑ Yes ☐ No	
Chain of Custody Completed	☑ Yes ☐ No	
Relinquished & Sampler Signature	☑ Yes ☐ No	
Samples Arrived within Hold Time	☑ Yes ☐ No	
Sufficient Volume	☑ Yes ☐ No	
Correct Containers Used	☑ Yes ☐ No	
Containers Intact	☑ Yes ☐ No	
Sample Labels match COC	☑ Yes ☐ No	
Samples received ≤48 hr from collection	☑ Yes ☐ No	
If no, were samples kept ≤6°C after 48 hrs of collection?	☐ Yes ☐ No	
Person contacted for verification		

Temperature Verification **Initials:** ZC **Date:** 7/18/22 **Time:** 930
IR Gun ID: 16 **CF (°C):** 0.0

	Observed (°C)	Corrected (°C)	Comments
EPA 533	5.0	5.0	
EPA 537.1	4.7		

Preservation Verification **pH strip:** HC298540 **pH meter:** _____
Free Cl Strip/DPD: 022Y321-HH **Cl Meter:** _____
200.7 Lab Preserved: **Nitric Acid:** _____ **Date/Time:** _____ **Initials:** _____

Sample/Container ID	pH 533* (pH 6.0-8.0)	pH 537.1 (pH 6.0-8.0)	pH 200.7 (pH <2)	200.7 Lab Preserved	Free Chlorine** 533	Free Chlorine** 537.1	Comments
66050S6 01A	7.0				ND		
B	7.0				ND		
C	7.0				ND		
D	7.0				ND		
E		7.0				ND	
F		7.0				ND	
G		7.0				ND	
H		7.0				ND	

*533 pH may be adjusted at the bench prior to extraction ** ND = <0.1 mg/L

Preservation Verification Continued

Sample/Container ID	pH				Free Chlorine**		Comments
	533* (pH 6.0-8.0)	537.1 (pH 6.0-8.0)	200.7 (pH <2)	200.7 Lab Preserved	533	537.1	
GO 5056-02A	6.0				ND		
B		7.0				ND	

*533 pH may be adjusted at the bench prior to extraction ** ND = <0.1 mg/L

Project # 60505056
Project Manager: Janet
Client: Urban

Courier: ☒ FedEx ☐ UPS ☐ USPS ☐ Client ☐ Pace ☐ Other _____

Tracking # 6319 6003 7711

Custody Seal: ☐ Yes ☒ No **Seal intact:** ☐ Yes ☐ No ☒ N/A **Ice:** ☒ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other _____

		Comments
Chain of Custody Present	☒ Yes ☐ No	
Chain of Custody Completed	☒ Yes ☐ No	
Relinquished & Sampler Signature	☒ Yes ☐ No	
Samples Arrived within Hold Time	☒ Yes ☐ No	
Sufficient Volume	☒ Yes ☐ No	
Correct Containers Used	☒ Yes ☐ No	
Containers Intact	☒ Yes ☐ No	
Sample Labels match COC	☒ Yes ☐ No	
Samples received ≤48 hr from collection	☒ Yes ☐ No	
If no, were samples kept ≤6°C after 48 hrs of collection?	☐ Yes ☐ No	
Person contacted for verification		

Temperature Verification **Initials:** ZL **Date:** 7/28/23 **Time:** 930

IR Gun ID: 16 **CF (°C):** 0.0

	Observed (°C)	Corrected (°C)	Comments
EPA 533	4.9	4.9	
EPA 537.1	4.1	4.1	

Preservation Verification **pH strip:** HC298540 **pH meter:** _____

Free Cl Strip/DPD: 022731-HH **Cl Meter:** _____

200.7 Lab Preserved: **Nitric Acid:** _____ **Date/Time:** _____ **Initials:** _____

	pH				Free Chlorine**		Comments
Sample/Container ID	533* (pH 6.0-8.0)	537.1 (pH 6.0-8.0)	200.7 (pH <2)	200.7 Lab Preserved	533	537.1	
03A	7.0				ND		
B	7.0				ND		
C		7.0				ND	
D		7.0				ND	
E							
04A	6.0				ND		
B		7.0				ND	

*533 pH may be adjusted at the bench prior to extraction ** ND = <0.1 mg/L

60605056

Pace Analytical
WWW.PACELABS.COM

CHAIN-OF-CUSTODY UCMR5 / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	URBANA CITY OF HO	Report To:	JOE SAMPSON	Attention:	Accounts Payable
Address:	416 TAFT AVENUE	Copy To:		Company Name:	
URBANA OH 43078				Address:	
Email:	JOE.SAMPSON@CI.URBANA.OH.US	Purchase Order #:		Pace Quote:	
Phone:	937-606-0334 Fax:	Project Name:	URBANA UCMR5_SE2_JULY 2023	Pace Project Manager:	Janet.Clutters@pacelabs.com
Requested Due Date:		Project #:	PWS ID: OH1101212	Pace Profile #:	BO#:

Regulatory Agency

State / Location

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique)	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	Ammonium Acetate	HNO3 (Nitric Acid)	Trizma	Requested Analysis Filtered (Y/N) Y/N	Analyses Test: 200.7 Metals-Li, UCMR5	533 PFAS UCMR5	533 PFAS UCMR5-FRB	537.1 PFAS UCMR5	537.1 PFAS UCMR5-FRB	Residual Chlorine (Y/N)	
1	60493-URBANA WTP 2- EPTDS URBANA STU 2	DW		7/25/23	13:50				9		4	1	4		X	X		X			OQS
2	FRB -60493-URBANA WTP 2	W		7/25/23	14:00				2		1		1				X		X		SE2
3	62297-URBANA WTP 3-EPTDS URBAN STU 3	DW		7/25/23	13:35				5		2	1	2		X	X		X			
4	FRB-62297-URBANA WTP 3	W		7/25/23	13:30				2		1		1				X		X		
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Prior to shipping, please refrigerate the samples for 4-6	Jacqueline Gurney	7/25/23	15:30	Emma Watson	7/26/23	14:20	5.0	Y	Y	Y
hours immediately after sampling.	Emma Watson	7/26/23	1420							
Please fill containers up to the bottom thread of the										
container cap.					7/28/23	930	5.6	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jacqueline Gurney SUMMER DEMBOWY

SIGNATURE of SAMPLER: DATE Signed: 7/25/23