

**UCMR-5 (UNREGULATED CONTAMINANT MONITORING RULE No. 5)
 INTERPRETATION OF RESULTS
 DECEMBER 18, 2023**

The following pages present the results of the Bloomfield Water Department UCMR-5 Sampling, performed in November. This sampling is required by the Environmental Protection Agency (EPA) in order to establish maximum contaminant levels (MCLs) for these chemicals.

At this time the Bloomfield Water Department does not have a “schedule” for monitoring PFAS, meaning we do not have to sample for them outside of the UCMR-5 Requirement.

A review of the results indicate that our current levels of PFAS are below the current or proposed standards

EPA’s proposed standards are summarized below:

Contaminant	2023 EPA Proposed Standards	2018 and 2020 NJDEP MCLs
PFOA	4.0 ng/l (MCL)	14 ng/l
PFOS	4.0 ng/l (MCL)	13 ng/l
PFNA	Combined 1.0 Hazard Index (unitless)*	13 ng/l
PFBS		N/A
HFPO-DA(Gen X)		N/A
PFHxS		N/A

*Health-Based Water Concentrations (HBWCs), which will be utilized to calculate the combined Hazard Index for these 4 PFAS. The Hazard Index utilizes a formula comparing the concentration of each contaminant to these HBWCs. Action would be required when the Hazard Index, which is unitless, exceeds 1.0. The concentrations are 10 ng/L for PFNA, 2000 ng/L for PFBS, 10 ng/L for HFPO-DA, and 9.0 ng/L for PFHxS.

If you have any questions regarding these results please contact the Bloomfield Engineering Department at 973-680-4009 or via e-mail at engineering@bloomfieldtwpnj.com



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

December 18, 2023

Paul Lasek
Bloomfield Township of NJ
1 Municipal Plaza, Room 203
Bloomfield, NJ 07003

RE: NJ0702001

Dear Paul Lasek:

Please find enclosed the analytical results for the **2** sample(s) the laboratory received on **11/17/23 9:30 am** and logged in under work order **GK03391**. 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 cursive script that reads "Janet Clutters".

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



SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order GK03391

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
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided



ANALYTICAL RESULTS

Sample: GK03391-01
 Name: 91001-NEWARK CONSECUTIVE CONNECTION
 Reg ID: NJ0702001

Sampled: 11/15/23 10:07
 Received: 11/17/23 09:30
 Matrix: Drinking Water - FS

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Semivolatile Organics - PFAS - PIA									
PFTrDA	< 0.0070	ug/L		11/22/23 15:24	1	0.0070	11/28/23 17:31	PSB	EPA 537.1 REV1
NETFOSAA	< 0.0050	ug/L		11/22/23 15:24	1	0.0050	11/28/23 17:31	PSB	EPA 537.1 REV1
NMEFOSAA	< 0.0060	ug/L		11/22/23 15:24	1	0.0060	11/28/23 17:31	PSB	EPA 537.1 REV1
PFTeDA	< 0.0080	ug/L		11/22/23 15:24	1	0.0080	11/28/23 17:31	PSB	EPA 537.1 REV1
PFBA	< 0.0050	ug/L		11/30/23 08:39	1	0.0050	12/02/23 20:12	DJB	EPA 533
PFMPA	< 0.0040	ug/L		11/30/23 08:39	1	0.0040	12/02/23 20:12	DJB	EPA 533
PFPeA	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
Surrogate: 13C2-PFHxA	98 %	70-130		11/22/23 15:24			11/28/23 17:31	PSB	EPA 537.1 REV1*
PFBS	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
Surrogate: 13C2-PFDA	98 %	70-130		11/22/23 15:24			11/28/23 17:31	PSB	EPA 537.1 REV1*
PFMBA	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
Surrogate: d5-NEIFOSAA	96 %	70-130		11/22/23 15:24			11/28/23 17:31	PSB	EPA 537.1 REV1*
PFEESA	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
Surrogate: 13C3-HFPO-DA	94 %	70-130		11/22/23 15:24			11/28/23 17:31	PSB	EPA 537.1 REV1*
HFPO-DA	< 0.0050	ug/L		11/30/23 08:39	1	0.0050	12/02/23 20:12	DJB	EPA 533
NFDHA	< 0.020	ug/L		11/30/23 08:39	1	0.020	12/02/23 20:12	DJB	EPA 533
4:2 FTS	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
PFHxS	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
PFHpA	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
PFHxA	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
ADONA	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
PFPeS	< 0.0040	ug/L		11/30/23 08:39	1	0.0040	12/02/23 20:12	DJB	EPA 533
6:2 FTS	< 0.0050	ug/L		11/30/23 08:39	1	0.0050	12/02/23 20:12	DJB	EPA 533
PFOA	< 0.0040	ug/L		11/30/23 08:39	1	0.0040	12/02/23 20:12	DJB	EPA 533
PFHpS	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
PFOS	< 0.0040	ug/L		11/30/23 08:39	1	0.0040	12/02/23 20:12	DJB	EPA 533
PFNA	< 0.0040	ug/L		11/30/23 08:39	1	0.0040	12/02/23 20:12	DJB	EPA 533
9Cl-PF3ONS	< 0.0020	ug/L		11/30/23 08:39	1	0.0020	12/02/23 20:12	DJB	EPA 533
8:2 FTS	< 0.0050	ug/L		11/30/23 08:39	1	0.0050	12/02/23 20:12	DJB	EPA 533
PFDA	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
PFUnA	< 0.0020	ug/L		11/30/23 08:39	1	0.0020	12/02/23 20:12	DJB	EPA 533
11Cl-PF3OUdS	< 0.0050	ug/L		11/30/23 08:39	1	0.0050	12/02/23 20:12	DJB	EPA 533
PFDoA	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
Surrogate: 13C4-PFBA-SURR	93 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*



ANALYTICAL RESULTS

Sample: GK03391-01
 Name: 91001-NEWARK CONSECUTIVE CONNECTION
 Reg ID: NJ0702001

Sampled: 11/15/23 10:07
 Received: 11/17/23 09:30
 Matrix: Drinking Water - FS

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Surrogate: 13C5-PFP _e A-SURR	95 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C3-PFBS-SURR	87 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C2-4:2FTS-SURR	92 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C5-PFH _x A-SURR	92 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C3-HFPOA-DA-SURR	81 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C4-PFH _p A-SURR	90 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C3-PFH _x S-SURR	87 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C2-6:2FTS-SURR	91 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C8-PFOA-SURR	90 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C9-PFNA-SURR	87 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C8-PFOS-SURR	86 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C2-8:2FTS-SURR	89 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C6-PFDA-SURR	82 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C7-PFUnA-SURR	79 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C2-PFD _o A-SURR	75 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Total Metals - PIA									
Surrogate: Yttrium	102 %	60-125		12/11/23 06:50			12/13/23 09:48	BRS	EPA 200.7 REV4.4*
Lithium	< 9.00	ug/L		12/11/23 06:50	2.5	9.00	12/13/23 09:48	BRS	EPA 200.7 REV4.4*



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

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

GKO3391 10/11

CHAIN-OF-CUSTODY UCMR5 / Analytical Request Document

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

Section A		Section B		Section C	
Required Client Information:		Required Project Information:		Invoice Information:	
Company:	BLOOMFIELD TOWNSHIP OF NJ	Report To:	PAUL LASEK	Attention:	SUSAN BANZON
Address:	1 MUNICIPAL PLAZA, ROOM 203 BLOOMFIELD NJ 07003	Copy To:		Company Name:	
Email:	PLAZEK@BLOOMFIELDTWP.NJ.COM	Purchase Order #:		Face Project Manager:	Janet.Cliffers@pacelabs.com
Phone:	973-680-4130	Project Name:	BLOOMFIELD UCMR5	Face Project Manager:	Janet.Cliffers@pacelabs.com
Requested Due Date:		Project #:		Face Project Manager:	
		PWS ID:	NJ0702001	BO#:	
				Regulatory Agency	
				State / Location	

ITEM #	MATRIX	CODE	SAMPLE TYPE (G=GRAN C=COMP)	COLLECTED		DATE	TIME	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
				START	END								
1	Drinking Water	DW	G	11/15	10:00	11/15	10:07						
2	Waste Water	WW	G	11/15	10:07	11/15	10:07						OQS
3	Product	P											
4	Soil/Sand	SL											
5	Oil	OL											
6	Sludge	SL											
7	Air	AR											
8	Other	OT											
9	Tissue	TS											
10													
11													
12													

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Prior to shipping, please refrigerate the samples for 4-6 hours immediately after sampling.							
Please fill containers up to the bottom thread of the container cap.							
SAMPLER NAME AND SIGNATURE		DATE SIGNED		SAMPLER NAME AND SIGNATURE		DATE SIGNED	
<i>Paul D. Lasek</i>		11/15/2015		<i>Paul D. Lasek</i>		11/15/2015	
PRINT Name of SAMPLER: Paul D. Lasek		DATE SIGNED: 11/15/2015		SIGNATURE of SAMPLER:		DATE SIGNED:	

DC#_Title: Excel Form Template
Effective Date:

WORK ORDER #: 6-KO3391

Project Manager: Matt Chertow

Client: Bloomfield Township of NJ

Courier: FedEx UPS USPS Client Pace Other

Tracking # 7003 7808 3696

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

Packing Material: Bubble Wrap Bubble Bags None Other

	Yes	No	Comments
Chain of Custody Present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Chain of Custody Completed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Relinquished & Sampler Signature	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Samples Arrived within Hold Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sufficient Volume	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Correct Containers Used	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Containers Intact	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Sample Labels match COC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Samples received \leq 48 hr from collection	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If no, were samples kept \leq 6°C after 48 hrs of collection?	<input type="checkbox"/>	<input type="checkbox"/>	
Person contacted for verification	<input type="checkbox"/>	<input type="checkbox"/>	

WORK ORDER #: GK03391

TEMPERATURE CHECK COMPLETED BY (INITIALS): MSL Time: 12:41

Today's Date is within 2 days of sample collection: YES NO (If NO, then contact the Project Manager Immediately)

UCMRS: PART 1

SELECT ONE BOTTLE FROM EACH METHOD

	# Bottles Received	IR Gun ID	IR Gun Correction Factor °C	Bottle Temp. with corr. factor °C	*Temp Received Same Day as Collected	Type of Ice	*Temp Received Within 2 Days of Collection	*Temp Received 48 Hrs Past Collection	Frozen
1 - Metals - P, 250 mL, HNO3	0 (1)	NA	NA	NA	NA	NA	NA	NA	NA
3 - 537.1 - P, 250 mL, Trizma	0 1 (2) 3	#14	-1.0	3.2	ON ICE NO ICE NA	WET ICE ICE PACKS	\$10°C YES NO NA	\$6°C YES NO NA	NO YES
3 - 533 - P, 250mL, Ammonium Acetate (C2H7NO3)	0 1 (2) 3	#14	-1.0	3.0	ON ICE NO ICE NA	WET ICE ICE PACKS	\$10°C YES NO NA	\$6°C YES NO NA	NO YES

UCMRS: PART 2

ONLY COMPLETE THIS SECTION IF THE FIRST BOTTLE WAS NOT ACCEPTABLE AND THERE IS A SECOND BOTTLE TO TEMP CHECK

	IR Gun ID	IR Gun Correction Factor °C	Bottle Temp. with corr. factor °C	*Temp Received Same Day as Collected	Type of Ice	*Temp Received Within 2 Days of Collection	*Temp Received 48 Hrs Past Collection	Frozen
3 - 537.1 - P, 250 mL, Trizma				ON ICE NO ICE NA	WET ICE ICE PACKS	\$10°C YES NO NA	\$6°C YES NO NA	NO YES
3 - 533 - P, 250mL, Ammonium Acetate (C2H7NO3)				ON ICE NO ICE NA	WET ICE ICE PACKS	\$10°C YES NO NA	\$6°C YES NO NA	NO YES

UCMRS: PART 3

ONLY COMPLETE THIS SECTION IF THE FIRST AND SECOND BOTTLE WERE NOT ACCEPTABLE AND THIRD BOTTLE IS AVAILABLE

	IR Gun ID	IR Gun Correction Factor °C	Bottle Temp. with corr. factor °C	*Temp Received Same Day as Collected	Type of Ice	*Temp Received Within 2 Days of Collection	*Temp Received 48 Hrs Past Collection	Frozen
3 - 537.1 - P, 250 mL, Trizma				ON ICE NO ICE NA	WET ICE ICE PACKS	\$10°C YES NO NA	\$6°C YES NO NA	NO YES
3 - 533 - P, 250mL, Ammonium Acetate (C2H7NO3)				ON ICE NO ICE NA	WET ICE ICE PACKS	\$10°C YES NO NA	\$6°C YES NO NA	NO YES

*TEMPERATURE REQUIREMENTS BASED ON COLLECTION VS. RECEIVE DATE (ONLY 1 OF 3 CRITERIA WILL APPLY)

If a criteria does NOT apply, then circle NA.
 NA = NOT APPLICABLE

IMPORTANT: Dispose of all bottles that are not within acceptable temperature. Notify the organics department or other trained personnel to proceed with Preservation checks the same day.
 IF ANY CRITERIA ABOVE ARE CIRCLED IN RED THE BOTTLE MUST BE REJECTED FOR UCMRS REGULATORY COMPLIANCE. NOTIFY THE PM IMMEDIATELY IF ALL OF THE BOTTLES ARE UNACCEPTABLE!

NOTES:

DC#_ Title: Excel Form Template
Effective Date:

WORK ORDER #: 6-k03391

Project Manager: Matt Cloutiers

Client: Blairstown Township NJ

Courier: FedEx UPS USPS Client Pace Other

Tracking # 7003 7808 3696

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	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Chain of Custody Completed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Relinquished & Sampler Signature	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Samples Arrived within Hold Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Sufficient Volume	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Correct Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Labels match COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Samples received \leq 48 hr from collection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If no, were samples kept \leq 6°C after 48 hrs of collection?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Person contacted for verification		

WORK ORDER #: Ck03391 **TEMPERATURE CHECK COMPLETED BY (INITIALS):** MSA **Date:** 11/17/23 **Time:** 10:41

Today's Date is within 2 days of sample collection: YES NO (If NO, then contact the Project Manager Immediately)

UCMRS: PART 1 SELECT ONE BOTTLE FROM EACH METHOD	# Bottles Received	IR Gun ID	IR Gun Correction Factor °C	Bottle Temp. with corr. factor °C	*Temp Received Same Day as Collected	Type of Ice	*Temp Received Within 2 Days of Collection	*Temp Received 48 Hrs Past Collection	Frozen
1 - Metals - P, 250 mL, HNO3	0 (1)	NA	NA	NA	NA	NA	NA	NA	NA
3 - 537.1 - P, 250 mL, Trizma	0 1 (2) 3	#14	-1.0	3.2	ON ICE NO ICE NA	WET ICE ICE PACKS	\$10°C (YES) NO NA	\$6°C YES NO NA	(NO) YES
3 - 533 - P, 250mL, Ammonium Acetate (C2H7NO3)	0 1 (4) 3	#14	-1.0	3.0	ON ICE NO ICE NA	WET ICE ICE PACKS	\$10°C (YES) NO NA	\$6°C YES NO NA	(NO) YES

UCMRS: PART 2 ONLY
 COMPLETE THIS SECTION IF THE FIRST BOTTLE WAS NOT ACCEPTABLE AND THERE IS A SECOND BOTTLE TO TEMP CHECK

IR Gun ID	IR Gun Correction Factor °C	Bottle Temp. with corr. factor °C	*Temp Received Same Day as Collected	Type of Ice	*Temp Received Within 2 Days of Collection	*Temp Received 48 Hrs Past Collection	Frozen
3 - 537.1 - P, 250 mL, Trizma			ON ICE NO ICE NA	WET ICE ICE PACKS	\$10°C YES NO NA	\$6°C YES NO NA	NO YES
3 - 533 - P, 250mL, Ammonium Acetate (C2H7NO3)			ON ICE NO ICE NA	WET ICE ICE PACKS	\$10°C YES NO NA	\$6°C YES NO NA	NO YES

UCMRS: PART 3 ONLY
 COMPLETE THIS SECTION IF THE FIRST AND SECOND BOTTLE WERE NOT ACCEPTABLE AND THIRD BOTTLE IS AVAILABLE

IR Gun ID	IR Gun Correction Factor °C	Bottle Temp. with corr. factor °C	*Temp Received Same Day as Collected	Type of Ice	*Temp Received Within 2 Days of Collection	*Temp Received 48 Hrs Past Collection	Frozen
3 - 537.1 - P, 250 mL, Trizma			ON ICE NO ICE NA	WET ICE ICE PACKS	\$10°C YES NO NA	\$6°C YES NO NA	NO YES
3 - 533 - P, 250mL, Ammonium Acetate (C2H7NO3)			ON ICE NO ICE NA	WET ICE ICE PACKS	\$10°C YES NO NA	\$6°C YES NO NA	NO YES

*TEMPERATURE REQUIREMENTS BASED ON COLLECTION VS. RECEIVE DATE (ONLY 1 OF 3 CRITERIA WILL APPLY)

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NOTES:



Login Number: 6203391

Qualtrax ID: 3389

Bottle Receipt Form

Completed By: JOSI

TYPE

QUANTITY PER SAMPLE

Plastic

- Plastic 1000ml, Total/Solids
- Plastic 250ml, TRZ
- Plastic 250ml, ~~Unp~~/LC $C_{24}H_{47}NO_2$
- Plastic 500ml, Total
- Plastic 500ml, Diss
- Plastic 250/500ml, Total, H_2SO_4 Pres.
- Plastic 250/500ml, Diss, H_2SO_4 Pres.
- Plastic 250/500ml, NaOH Pres.
- Plastic ~~250~~/500ml, Total, HNO_3 Pres.
- Plastic 250/500ml, Diss, HNO_3 Pres.
- Plastic 500ml, NaOH + ZnAc Pres.
- Plastic 150ml/4oz TC
- Plastic 100ml, EDA
- Plastic 1000ml, $Na_2S_2O_3 + H_2SO_4$ Pres.
- Plastic 120ml (white, $Na_2S_2O_3$)
- Plastic soil (16oz)
- Plastic 2.5 L. HNO_3
- Plastic 50ml
- Plastic 1000ml HNO_3 /LC

	-1	-2	-3	-4	-5	-6	-7	-8
Plastic 1000ml, Total/Solids								
Plastic 250ml, TRZ	4	1						
Plastic 250ml, Unp /LC $C_{24}H_{47}NO_2$	4	1						
Plastic 500ml, Total								
Plastic 500ml, Diss								
Plastic 250/500ml, Total, H_2SO_4 Pres.								
Plastic 250/500ml, Diss, H_2SO_4 Pres.								
Plastic 250/500ml, NaOH Pres.								
Plastic 250 /500ml, Total, HNO_3 Pres.	1							
Plastic 250/500ml, Diss, HNO_3 Pres.								
Plastic 500ml, NaOH + ZnAc Pres.								
Plastic 150ml/4oz TC								
Plastic 100ml, EDA								
Plastic 1000ml, $Na_2S_2O_3 + H_2SO_4$ Pres.								
Plastic 120ml (white, $Na_2S_2O_3$)								
Plastic soil (16oz)								
Plastic 2.5 L. HNO_3								
Plastic 50ml								
Plastic 1000ml HNO_3 /LC								

Glass

- Glass Unpreserved (Amber, Clear)
- Glass 500ml Amber, Unpreserved
- Glass 250ml Clear LL Hg
- Glass 1000ml Amber, $Na_2S_2O_3 + HCl$
- Glass 1000ml Amber, $Na_2SO_3 + HCl$
- Glass 60ml Vial Amber, NH_4Cl Pres. (HAA)
- Glass 250/1000ml Amber, $MeCl_2$
- Glass 1000ml HCl Pres.
- Glass Vial, 40ml, Unp.
- Glass Vial, 40ml, $Na_2S_2O_3$ (THM)
- Glass Vial, 40ml, HCl, (VOC)
- Glass Vial, 40ml, $Na_2S_2O_3$, (EDB, DBCP)
- Glass Vial, 40ml, Methanol
- Glass Vial, 60ml, Clear
- Glass Vial, 40ml, Sodium Bisulfate
- Glass 500ml Amber, $Na_2S_2O_3$
- Glass Vial 60ml Amber, $Na_2S_2O_3 + MCAA$
- Glass Amber, 60ml, $Na_2S_2O_3$
- Glass 250/500ml Amber Phenol H_2SO_4
- Glass Amber Vial, 40ml, H_2SO_4 (TOC)
- Glass Amber, 250ml, H_2SO_4 (TOX)
- Glass Soil Jar (16 oz)
- Glass Soil Jar (9 oz)
- Glass Soil Jar (4 oz)
- Glass Soil Jar (2 oz)

Glass Unpreserved (Amber, Clear)								
Glass 500ml Amber, Unpreserved								
Glass 250ml Clear LL Hg								
Glass 1000ml Amber, $Na_2S_2O_3 + HCl$								
Glass 1000ml Amber, $Na_2SO_3 + HCl$								
Glass 60ml Vial Amber, NH_4Cl Pres. (HAA)								
Glass 250/1000ml Amber, $MeCl_2$								
Glass 1000ml HCl Pres.								
Glass Vial, 40ml, Unp.								
Glass Vial, 40ml, $Na_2S_2O_3$ (THM)								
Glass Vial, 40ml, HCl, (VOC)								
Glass Vial, 40ml, $Na_2S_2O_3$, (EDB, DBCP)								
Glass Vial, 40ml, Methanol								
Glass Vial, 60ml, Clear								
Glass Vial, 40ml, Sodium Bisulfate								
Glass 500ml Amber, $Na_2S_2O_3$								
Glass Vial 60ml Amber, $Na_2S_2O_3 + MCAA$								
Glass Amber, 60ml, $Na_2S_2O_3$								
Glass 250/500ml Amber Phenol H_2SO_4								
Glass Amber Vial, 40ml, H_2SO_4 (TOC)								
Glass Amber, 250ml, H_2SO_4 (TOX)								
Glass Soil Jar (16 oz)								
Glass Soil Jar (9 oz)								
Glass Soil Jar (4 oz)								
Glass Soil Jar (2 oz)								

Other

- Plastic Bag
- Client Supplied HNO_3/H_2SO_4

Plastic Bag								
Client Supplied HNO_3/H_2SO_4								

WORK ORDER #: GK03391-01 **PRESERVATION CHECK COMPLETED BY (INITIALS):** BMT
Date: 11/17/23

Today's Date is within 2 days of sample collection: YES NO (If NO, then contact the Project Manager Immediately)

pH strip vendor/lot # (<2): HC201854 pH strip vendor/lot # (6-8): HC298540
 Chlorine strip vendor/lot #: 032Y311-HH

UCMRS: PART 1 must be checked	Each bottle	Container ID (letter)	pH Strip Result	Acceptable pH range	*pH was adjusted to acceptable range (533 only)	Free Chlorine <0.1 mg/L (**if No, check using Hach Method)	Free Chlorine Hach Method Result (Must be <0.1 mg/L or reject)
533 - P, 250mL, Ammonium Acetate (C2H7NO3)		A	6	6.0-8.0 YES NO*	*	NO** YES	ND
533 - P, 250mL, Ammonium Acetate (C2H7NO3)		B	6	6.0-8.0 YES NO*	*	NO** YES	
533 - P, 250mL, Ammonium Acetate (C2H7NO3)		C	6	6.0-8.0 YES NO*	*	NO** YES	
533 - P, 250mL, Ammonium Acetate (C2H7NO3)		D	6	6.0-8.0 YES NO*	*	NO** YES	
537.1 - P, 250 mL, Trizma		E	7	6.0-8.0 YES NO		NO** YES	
537.1 - P, 250 mL, Trizma		F	7	6.0-8.0 YES NO		NO** YES	
537.1 - P, 250 mL, Trizma		G	7	6.0-8.0 YES NO		NO** YES	
537.1 - P, 250 mL, Trizma		H	7	6.0-8.0 YES NO		NO** YES	
Metals -P, 250 ml, HNO3		I	1	<2 YES NO		NO** YES	

IMPORTANT:

IF ANY CRITERIA ABOVE ARE CIRCLED IN RED OR THE CHLORINE IS GREATER THAN 0.1 mg/L, THE BOTTLE MUST BE REJECTED FOR UCMRS REGULATORY COMPLIANCE.

NOTIFY THE PM IMMEDIATELY IF ALL OF THE BOTTLES ARE UNACCEPTABLE!

NOTES:

WORK ORDER #: GK03391-02 **PRESERVATION CHECK COMPLETED BY (INITIALS):** BMT
Date: 11/17/23

Today's Date is within 2 days of sample collection: YES NO (If NO, then contact the Project Manager Immediately)

pH strip vendor/lot # (<2): HL298540 Chlorine strip vendor/lot # 032K3211-HH

UCMRS: PART 1 must be checked	Each bottle	Container ID (letter)	pH Strip Result	Acceptable PH range	* pH was adjusted to acceptable range (533 only)	Free Chlorine <0.1 mg/L (**If No, check using Hach Method)	Free Chlorine Hach Method Result (Must be <0.1 mg/L or reject)
533 - P, 250mL, Ammonium Acetate (C2H7NO3)		A	6	6.0-8.0 YES NO*	*	NO** YES	ND
533 - P, 250mL, Ammonium Acetate (C2H7NO3)		-	-	6.0-8.0 YES NO*	*	NO** YES	
533 - P, 250mL, Ammonium Acetate (C2H7NO3)		-	-	6.0-8.0 YES NO*	*	NO** YES	
533 - P, 250mL, Ammonium Acetate (C2H7NO3)		-	-	6.0-8.0 YES NO*	*	NO** YES	
537.1 - P, 250 mL, Trizma		B	7	6.0-8.0 YES NO		NO** YES	ND
537.1 - P, 250 mL, Trizma		-	-	6.0-8.0 YES NO		NO** YES	
537.1 - P, 250 mL, Trizma		-	-	6.0-8.0 YES NO		NO** YES	
537.1 - P, 250 mL, Trizma		-	-	6.0-8.0 YES NO		NO** YES	
Metals -P, 250 ml, HNO3		J	J	<2 YES NO		NO** YES	

IMPORTANT:

IF ANY CRITERIA ABOVE ARE CIRCLED IN RED OR THE CHLORINE IS GREATER THAN 0.1 mg/L, THE BOTTLE MUST BE REJECTED FOR UCMRS REGULATORY COMPLIANCE.

NOTIFY THE PMA IMMEDIATELY IF ALL OF THE BOTTLES ARE UNACCEPTABLE.

NOTES:



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

December 18, 2023

Paul Lasek
Bloomfield Township of NJ
1 Municipal Plaza, Room 203
Bloomfield, NJ 07003

RE: NJ0702001

Dear Paul Lasek:

Please find enclosed the analytical results for the **2** sample(s) the laboratory received on **11/17/23 9:30 am** and logged in under work order **GK03391**. 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 cursive script that reads "Janet Clutters".

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



SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order GK03391

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
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided



ANALYTICAL RESULTS

Sample: GK03391-01
 Name: 91001-NEWARK CONSECUTIVE CONNECTION
 Reg ID: NJ0702001

Sampled: 11/15/23 10:07
 Received: 11/17/23 09:30
 Matrix: Drinking Water - FS

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Semivolatile Organics - PFAS - PIA									
PFTrDA	< 0.0070	ug/L		11/22/23 15:24	1	0.0070	11/28/23 17:31	PSB	EPA 537.1 REV1
NETFOSAA	< 0.0050	ug/L		11/22/23 15:24	1	0.0050	11/28/23 17:31	PSB	EPA 537.1 REV1
NMEFOSAA	< 0.0060	ug/L		11/22/23 15:24	1	0.0060	11/28/23 17:31	PSB	EPA 537.1 REV1
PFTeDA	< 0.0080	ug/L		11/22/23 15:24	1	0.0080	11/28/23 17:31	PSB	EPA 537.1 REV1
PFBA	< 0.0050	ug/L		11/30/23 08:39	1	0.0050	12/02/23 20:12	DJB	EPA 533
PFMPA	< 0.0040	ug/L		11/30/23 08:39	1	0.0040	12/02/23 20:12	DJB	EPA 533
PFPeA	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
Surrogate: 13C2-PFHxA	98 %	70-130		11/22/23 15:24			11/28/23 17:31	PSB	EPA 537.1 REV1*
PFBS	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
Surrogate: 13C2-PFDA	98 %	70-130		11/22/23 15:24			11/28/23 17:31	PSB	EPA 537.1 REV1*
PFMBA	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
Surrogate: d5-NEtFOSAA	96 %	70-130		11/22/23 15:24			11/28/23 17:31	PSB	EPA 537.1 REV1*
PFEESA	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
Surrogate: 13C3-HFPO-DA	94 %	70-130		11/22/23 15:24			11/28/23 17:31	PSB	EPA 537.1 REV1*
HFPO-DA	< 0.0050	ug/L		11/30/23 08:39	1	0.0050	12/02/23 20:12	DJB	EPA 533
NFDHA	< 0.020	ug/L		11/30/23 08:39	1	0.020	12/02/23 20:12	DJB	EPA 533
4:2 FTS	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
PFHxS	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
PFHpA	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
PFHxA	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
ADONA	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
PFPeS	< 0.0040	ug/L		11/30/23 08:39	1	0.0040	12/02/23 20:12	DJB	EPA 533
6:2 FTS	< 0.0050	ug/L		11/30/23 08:39	1	0.0050	12/02/23 20:12	DJB	EPA 533
PFOA	< 0.0040	ug/L		11/30/23 08:39	1	0.0040	12/02/23 20:12	DJB	EPA 533
PFHpS	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
PFOS	< 0.0040	ug/L		11/30/23 08:39	1	0.0040	12/02/23 20:12	DJB	EPA 533
PFNA	< 0.0040	ug/L		11/30/23 08:39	1	0.0040	12/02/23 20:12	DJB	EPA 533
9Cl-PF3ONS	< 0.0020	ug/L		11/30/23 08:39	1	0.0020	12/02/23 20:12	DJB	EPA 533
8:2 FTS	< 0.0050	ug/L		11/30/23 08:39	1	0.0050	12/02/23 20:12	DJB	EPA 533
PFDA	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
PFUnA	< 0.0020	ug/L		11/30/23 08:39	1	0.0020	12/02/23 20:12	DJB	EPA 533
11Cl-PF3OUdS	< 0.0050	ug/L		11/30/23 08:39	1	0.0050	12/02/23 20:12	DJB	EPA 533
PFDoA	< 0.0030	ug/L		11/30/23 08:39	1	0.0030	12/02/23 20:12	DJB	EPA 533
Surrogate: 13C4-PFBA-SURR	93 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*



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

ANALYTICAL RESULTS

Sample: GK03391-01
 Name: 91001-NEWARK CONSECUTIVE CONNECTION
 Reg ID: NJ0702001

Sampled: 11/15/23 10:07
 Received: 11/17/23 09:30
 Matrix: Drinking Water - FS

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Surrogate: 13C5-PFPeA-SURR	95 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C3-PFBS-SURR	87 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C2-4:2FTS-SURR	92 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C5-PFHxA-SURR	92 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C3-HFPOA-DA-SURR	81 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C4-PFHpA-SURR	90 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C3-PFHxS-SURR	87 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C2-6:2FTS-SURR	91 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C8-PFOA-SURR	90 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C9-PFNA-SURR	87 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C8-PFOS-SURR	86 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C2-8:2FTS-SURR	89 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C6-PFDA-SURR	82 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C7-PFUnA-SURR	79 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Surrogate: 13C2-PFDoA-SURR	75 %	50-200		11/30/23 08:39			12/02/23 20:12	DJB	EPA 533*
Total Metals - PIA									
Surrogate: Yttrium	102 %	60-125		12/11/23 06:50			12/13/23 09:48	BRS	EPA 200.7 REV4.4*
Lithium	< 9.00	ug/L		12/11/23 06:50	2.5	9.00	12/13/23 09:48	BRS	EPA 200.7 REV4.4*



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

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

DC#_Title: Excel Form Template
Effective Date:

WORK ORDER #: 6-K03391

Project Manager: Matt Cloutier

Client: Denville Township of NJ

Courier: FedEx UPS USPS Client Pace Other

Tracking # 7003 7808 3696

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	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Chain of Custody Completed	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Reinforced & Sampler Signature	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Samples Arrived within Hold Time	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Sufficient Volume	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Correct Containers Used	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Containers Intact	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Sample Labels match COC	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Samples received \leq 48 hr from collection	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
If no, were samples kept \leq 6°C after 48 hrs of collection?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Person contacted for verification			

WORK ORDER #: GK03391

TEMPERATURE CHECK COMPLETED BY (INITIALS): DSH

Date: 11/21/23 Time: 10:41

Today's Date is within 2 days of sample collection: YES NO (If NO, then contact the Project Manager Immediately)

UCMR5: PART 1

SELECT ONE BOTTLE FROM EACH METHOD

# Bottles Received	IR Gun ID	IR Gun Correction Factor °C	Bottle Temp. with corr. factor °C	*Temp Received Same Day as Collected	Type of Ice	*Temp Received Within 2 Days of Collection	*Temp Received 48 Hrs Past Collection	Frozen
0 (1)	NA	NA	NA	NA	NA	NA	NA	NA
0 1 (2) 3	#14	-1.0	3.2	ON ICE NO ICE NA	WET ICE ICE PACKS	\$10°C YES NO NA	56°C YES NO NA	NO YES
0 1 (2) 3	#14	-1.0	3.0	ON ICE NO ICE NA	WET ICE ICE PACKS	\$10°C YES NO NA	56°C YES NO NA	NO YES

UCMR5: PART 2

ONLY COMPLETE THIS SECTION IF THE FIRST BOTTLE WAS NOT ACCEPTABLE AND THERE IS A SECOND BOTTLE TO TEMP CHECK

IR Gun ID	IR Gun Correction Factor °C	Bottle Temp. with corr. factor °C	*Temp Received Same Day as Collected	Type of Ice	*Temp Received Within 2 Days of Collection	*Temp Received 48 Hrs Past Collection	Frozen
3 - 537.1 - P, 250 mL, Trizma			ON ICE NO ICE NA	WET ICE ICE PACKS	\$10°C YES NO NA	56°C YES NO NA	NO YES
3 - 533 - P, 250mL, Ammonium Acetate (C2H7NO3)			ON ICE NO ICE NA	WET ICE ICE PACKS	\$10°C YES NO NA	56°C YES NO NA	NO YES

UCMR5: PART 3

ONLY COMPLETE THIS SECTION IF THE FIRST AND SECOND BOTTLE WERE NOT ACCEPTABLE AND THIRD BOTTLE IS AVAILABLE

IR Gun ID	IR Gun Correction Factor °C	Bottle Temp. with corr. factor °C	*Temp Received Same Day as Collected	Type of Ice	*Temp Received Within 2 Days of Collection	*Temp Received 48 Hrs Past Collection	Frozen
3 - 537.1 - P, 250 mL, Trizma			ON ICE NO ICE NA	WET ICE ICE PACKS	\$10°C YES NO NA	56°C YES NO NA	NO YES
3 - 533 - P, 250mL, Ammonium Acetate (C2H7NO3)			ON ICE NO ICE NA	WET ICE ICE PACKS	\$10°C YES NO NA	56°C YES NO NA	NO YES

*TEMPERATURE REQUIREMENTS BASED ON COLLECTION VS. RECEIVE DATE (ONLY 1 OF 3 CRITERIA WILL APPLY)

If a criteria does NOT apply, then circle NA.
 NA = NOT APPLICABLE

IMPORTANT: Dispose of all bottles that are not within acceptable temperature. Notify the organics department or other trained personnel to proceed with Preservation checks the same day.
 IF ANY CRITERIA ABOVE ARE CIRCLED IN RED THE BOTTLE MUST BE REJECTED FOR UCMRS REGULATORY COMPLIANCE. NOTIFY THE PM IMMEDIATELY IF ALL OF THE BOTTLES ARE UNACCEPTABLE!

NOTES:

DC# Title: Excel Form Template
Effective Date:

WORK ORDER #: 6-k03391

Project Manager: Jantt Charters

Client: Blairstown Township NJ

Courier: FedEx UPS USPS Client Pace Other

Tracking # 7003 7808 3696

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	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Chain of Custody Completed	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Relinquished & Sampler Signature	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Samples Arrived within Hold Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Sufficient Volume	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Correct Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Labels match COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Samples received \leq 48 hr from collection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If no, were samples kept \leq 6°C after 48 hrs of collection?	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Person contacted for verification		

WORK ORDER #: Ck03391

TEMPERATURE CHECK COMPLETED BY (INITIALS): MSL

Date: 11/21/23 Time: 10:41

Today's Date is within 2 days of sample collection: YES NO (IF NO, then contact the Project Manager Immediately)

UCMRS: PART 1 SELECT ONE BOTTLE FROM EACH METHOD	# Bottles Received	IR Gun ID	IR Gun Correction Factor °C	Bottle Temp. with corr. factor °C	*Temp Received Same Day as Collected	Type of Ice	*Temp Received Within 2 Days of Collection	*Temp Received 48 Hrs Past Collection	Frozen
1 - Metals - P, 250 mL, HNO3	0	NA	NA	NA	NA	NA	NA	NA	NA
3 - 537.1 - P, 250 mL, Trizma	0	#19	-1.0	3.2	ON ICE NO ICE NA	WET ICE ICE PACKS	≤10°C YES NO NA	≤6°C YES NO NA	NO YES
3 - 533 - P, 250mL, Ammonium Acetate (C2H7NO3)	0	#14	-1.0	3.0	ON ICE NO ICE NA	WET ICE ICE PACKS	≤10°C YES NO NA	≤6°C YES NO NA	NO YES

UCMRS: PART 2 ONLY
 COMPLETE THIS SECTION IF THE FIRST BOTTLE WAS NOT ACCEPTABLE AND THERE IS A SECOND BOTTLE TO TEMP CHECK

UCMRS: PART 2 ONLY	IR Gun ID	IR Gun Correction Factor °C	Bottle Temp. with corr. factor °C	*Temp Received Same Day as Collected	Type of Ice	*Temp Received Within 2 Days of Collection	*Temp Received 48 Hrs Past Collection	Frozen
3 - 537.1 - P, 250 mL, Trizma				ON ICE NO ICE NA	WET ICE ICE PACKS	≤10°C YES NO NA	≤6°C YES NO NA	NO YES
3 - 533 - P, 250mL, Ammonium Acetate (C2H7NO3)				ON ICE NO ICE NA	WET ICE ICE PACKS	≤10°C YES NO NA	≤6°C YES NO NA	NO YES

UCMRS: PART 3 ONLY
 COMPLETE THIS SECTION IF THE FIRST AND SECOND BOTTLE WERE NOT ACCEPTABLE AND THIRD BOTTLE IS AVAILABLE

UCMRS: PART 3 ONLY	IR Gun ID	IR Gun Correction Factor °C	Bottle Temp. with corr. factor °C	*Temp Received Same Day as Collected	Type of Ice	*Temp Received Within 2 Days of Collection	*Temp Received 48 Hrs Past Collection	Frozen
3 - 537.1 - P, 250 mL, Trizma				ON ICE NO ICE NA	WET ICE ICE PACKS	≤10°C YES NO NA	≤6°C YES NO NA	NO YES
3 - 533 - P, 250mL, Ammonium Acetate (C2H7NO3)				ON ICE NO ICE NA	WET ICE ICE PACKS	≤10°C YES NO NA	≤6°C YES NO NA	NO YES

*TEMPERATURE REQUIREMENTS BASED ON COLLECTION VS. RECEIVE DATE (ONLY 1 OF 3 CRITERIA WILL APPLY)
 if a criteria does NOT apply, then circle NA.
 NA = NOT APPLICABLE

IMPORTANT: Dispose of all bottles that are not within acceptable temperature. Notify the organics department or other trained personnel to proceed with Preservation checks the same day.
 IF ANY CRITERIA ABOVE ARE CIRCLED IN RED THE BOTTLE MUST BE REJECTED FOR UCMRS REGULATORY COMPLIANCE. NOTIFY THE PM IMMEDIATELY IF ALL OF THE BOTTLES ARE UNACCEPTABLE!

NOTES:



Login Number: 6203391

Qualtrax ID: 3389

Bottle Receipt Form

Completed By: JDS

TYPE

QUANTITY PER SAMPLE

	-1	-2	-3	-4	-5	-6	-7	-8
Plastic								
Plastic 1000ml, Total/Solids								
Plastic 250ml, TRZ	<u>4</u>	<u>1</u>						
Plastic 250ml, Unp/LC <u>C₂H₇NO₂</u>	<u>4</u>	<u>1</u>						
Plastic 500ml, Total								
Plastic 500ml, Diss								
Plastic 250/500ml, Total, H ₂ SO ₄ Pres.								
Plastic 250/500ml, Diss, H ₂ SO ₄ Pres.								
Plastic 250/500ml, NaOH Pres.								
Plastic 250 500ml, Total, HNO ₃ Pres.	<u>1</u>							
Plastic 250/500ml, Diss, HNO ₃ Pres.								
Plastic 500ml, NaOH + ZnAc Pres.								
Plastic 150ml/4oz TC								
Plastic 100ml, EDA								
Plastic 1000ml, Na ₂ S ₂ O ₃ + H ₂ SO ₄ Pres.								
Plastic 120ml (white, Na ₂ S ₂ O ₃)								
Plastic soil (16oz)								
Plastic 2.5 L. HNO ₃								
Plastic 50ml								
Plastic 1000ml HNO ₃ /LC								
Glass								
Glass Unpreserved (Amber, Clear)								
Glass 500ml Amber, Unpreserved								
Glass 250ml Clear LL Hg								
Glass 1000ml Amber, Na ₂ S ₂ O ₃ + HCl								
Glass 1000ml Amber, Na ₂ SO ₃ + HCl								
Glass 60ml Vial Amber, NH ₄ Cl Pres. (HAA)								
Glass 250/1000ml Amber, MeCl ₂								
Glass 1000ml HCl Pres.								
Glass Vial, 40ml, Unp.								
Glass Vial, 40ml, Na ₂ S ₂ O ₃ (THM)								
Glass Vial, 40ml, HCl, (VOC)								
Glass Vial, 40ml, Na ₂ S ₂ O ₃ , (EDB, DBCP)								
Glass Vial, 40ml, Methanol								
Glass Vial, 60ml, Clear								
Glass Vial, 40ml, Sodium Bisulfate								
Glass 500ml Amber, Na ₂ S ₂ O ₃								
Glass Vial 60ml Amber, Na ₂ S ₂ O ₃ + MCAA								
Glass Amber, 60ml, Na ₂ S ₂ O ₃								
Glass 250/500ml Amber Phenol H ₂ SO ₄								
Glass Amber Vial, 40ml, H ₂ SO ₄ (TOC)								
Glass Amber, 250ml, H ₂ SO ₄ (TOX)								
Glass Soil Jar (16 oz)								
Glass Soil Jar (9 oz)								
Glass Soil Jar (4 oz)								
Glass Soil Jar (2 oz)								
Other								
Plastic Bag								
Client Supplied HNO ₃ /H ₂ SO ₄								

WORK ORDER #: GK03391-01 **PRESERVATION CHECK COMPLETED BY (INITIALS):** BMT
Date: 11/17/23

Today's Date is within 2 days of sample collection: YES NO (If NO, then contact the Project Manager Immediately)

pH strip vendor/lot # (<2): HC201654 pH strip vendor/lot # (6-8): HC298540 Chlorine strip vendor/lot # 0321311-HH

UCMRS: PART 1 must be checked	Each bottle	Container ID (letter)	pH Strip Result	Acceptable pH range	* pH was adjusted to acceptable range (533 only)	Free Chlorine <0.1 mg/L (**if No, check using Hach Method)	Free Chlorine Hach Method Result (Must be <0.1 mg/L or reject)
533 - P, 250mL, Ammonium Acetate (C2H7NO3)		A	6	6.0-8.0 YES NO*	*	NO** YES	AM
533 - P, 250mL, Ammonium Acetate (C2H7NO3)		B	6	6.0-8.0 YES NO*	*	NO** YES	
533 - P, 250mL, Ammonium Acetate (C2H7NO3)		C	6	6.0-8.0 YES NO*	*	NO** YES	
533 - P, 250mL, Ammonium Acetate (C2H7NO3)		D	6	6.0-8.0 YES NO*	*	NO** YES	
537.1 - P, 250 mL, Trizma		E	7	6.0-8.0 YES NO		NO** YES	
537.1 - P, 250 mL, Trizma		F	7	6.0-8.0 YES NO		NO** YES	
537.1 - P, 250 mL, Trizma		G	7	6.0-8.0 YES NO		NO** YES	
537.1 - P, 250 mL, Trizma		H	7	6.0-8.0 YES NO		NO** YES	
Metals -P, 250 ml, HNO3		I	1	<2 YES NO		NO** YES	

IMPORTANT:

IF ANY CRITERIA ABOVE ARE CIRCLED IN RED OR THE CHLORINE IS GREATER THAN 0.1 mg/L, THE BOTTLE MUST BE REJECTED FOR UCMRS REGULATORY COMPLIANCE.

NOTIFY THE PM IMMEDIATELY IF ALL OF THE BOTTLES ARE UNACCEPTABLE!

NOTES:

WORK ORDER #: 6K03391-02 **PRESERVATION CHECK COMPLETED BY (INITIALS):** BMT
Date: 11/17/23

Today's Date is within 2 days of sample collection: YES NO (If NO, then contact the Project Manager Immediately)
 pH strip vendor/lot # (<2): _____ pH strip vendor/lot # (6-8): 4298540 Chlorine strip vendor/lot # 03213211-14

UCMRS - PART 1 must be checked	Each bottle	Container ID (letter)	pH Strip Result	Acceptable pH range	*pH was adjusted to acceptable range (533 only)	Free Chlorine <0.1 mg/L (**if No, check using Hach Method)	Free Chlorine Hach Method Result (Must be <0.1 mg/L or reject)
533 - P, 250mL, Ammonium Acetate (C2H7NO3)		A	6	6.0-8.0 YES/NO*	*	NO** YES	ND
533 - P, 250mL, Ammonium Acetate (C2H7NO3)		-	-	6.0-8.0 YES NO*	*	NO** YES	
533 - P, 250mL, Ammonium Acetate (C2H7NO3)		-	-	6.0-8.0 YES NO*	*	NO** YES	
533 - P, 250mL, Ammonium Acetate (C2H7NO3)		-	-	6.0-8.0 YES NO*	*	NO** YES	
537.1 - P, 250 mL, Trizma		B	7	6.0-8.0 YES/NO		NO** YES	ND
537.1 - P, 250 mL, Trizma		-	-	6.0-8.0 YES NO		NO** YES	
537.1 - P, 250 mL, Trizma		-	-	6.0-8.0 YES NO		NO** YES	
537.1 - P, 250 mL, Trizma		-	-	6.0-8.0 YES NO		NO** YES	
Metals - P, 250 ml, HNO3		J	J	<2 YES NO		NO** YES	

IMPORTANT:
 IF ANY CRITERIA ABOVE ARE CIRCLED IN RED OR THE CHLORINE IS GREATER THAN 0.1 mg/L, THE BOTTLE MUST BE REJECTED FOR UCMRS REGULATORY COMPLIANCE.
 NOTIFY THE PM IMMEDIATELY IF ALL OF THE BOTTLES ARE UNACCEPTABLE.

NOTES:
