ATTACHMENT U

LANDFILL LEACHATE PFAS ANALYTICAL REPORTS, 2021

See associated files for attachment.

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ANALYTICAL REPORT

Eurofins QC, LLC – Horsham, PA
213 Witmer Road
Horsham, PA 19044-0962
Tel: (215)355-3900

Laboratory Job ID: 630-24690-1
Client Project/Site: Leachate Tank - PFAS

For:
Cape May County Municipal Utilities Auth
1523 U.S. Route 9 North
PO BOX 610
Cape May Court House, New Jersey 08210

Attn: James Rocco

Authorized for release by:
12/9/2021 9:17:17 PM

Erin Dougherty, Project Administrator
(215)355-3900
Erin.Dougherty@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD,and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments. QC data that exceed the upper limits and are associated with non-detect samples are qualified but no further narration is needed since the bias is high and does not change a non-detect result. Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Coliform MCLs
· Based on the EPA primary drinking water standard MCL for total coliforms, a water supply is considered bacteriologically “SAFE” if no coliform bacteria are detected. To be considered “SAFE” your report should indicate “<1 cfu/100mL” or “NEG” for the coliform test. If you report indicates a positive result “POS” or a value greater than or equal to one, then your supply is “UNSAFE FOR DRINKING” contact your local health department.

Warranties, Terms, and Conditions
· Analyses for Field Parameters are performed by EQC field staff. Locations and certifications are identified on the Chain of Custody as follows:
ERF = field staff performs tests under NJ State certification #02015
VL = field staff performs tests under NJ State certification #06005
WG = field staff performs tests under NJ State certification #PA001
H = field staff performs tests under NJ NELAP certification #PA093, PA NELAP certification # 46-05499

· Test results meet all TNI or other applicable regulatory agency requirements, including holding times and preservation, unless otherwise indicated.

· The report shall not be reproduced, except in full, without the written consent of the laboratory

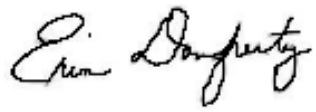
· All samples are collected as “grab” samples unless otherwise identified.

· Reported results related only to the samples as tested. EQC is not responsible for sample integrity unless sampling has been performed by a member of our staff.

· EQC is not responsible for sampling and/or testing omissions. Note that regulatory authorities may assess substantial fines for testing omissions. Please track your sample collection schedules and results on a regular basis (e.g. weekly, monthly, or quarterly) to ensure compliance.

· Eurofins’ online data portal “TotalAccess” will provide you with real-time access to collection dates and testing results. Please contact Client Services for further information.

· The following personnel or their deputies have approved the results of the tests performed by EQC: Nicki Smith (Environmental Chemistry) and Jacqueline Gartner (Water Microbiology).



Erin Dougherty
Project Administrator
12/9/2021 9:17:17 PM

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Client: Cape May County Municipal Utilities Auth
Job ID: 630-24690-1
Project/Site: Leachate Tank - PFAS

Qualifiers

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Cape May County Municipal Utilities Auth
Project/Site: Leachate Tank - PFAS

Job ID: 630-24690-1

Job ID: 630-24690-1

Laboratory: Eurofins QC, LLC – Horsham, PA

Narrative

Job Narrative
630-24690-1

Receipt
The sample was received on 11/29/2021 2:30 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C

PFAS
Method PFC_IDA_NJ: The recovery for the labeled isotope(s) in the following sample: LEACHATE TANK (630-24690-1) is outside the QC acceptance limits. This failure was due to the matrix of the sample.The sample injection standard peak areas in the following sample: LEACHATE TANK (630-24690-1) are outside of the QC limits for both the initial injection and the re-injection. The values here are from the initial injection of the sample.

Method PFC_IDA_NJ: The labeled isotope recovery is outside of the QC acceptance limits in the method blank and Laboratory Control Spikes associated with the following sample: LEACHATE TANK (630-24690-1). Since the recoveries are biased high, no associated target analytes are detected in the method blank, and all associated target analytes are within the QC limits in the Laboratory Control Spike(s), the data is reported.

Method PFC_IDA_NJ: Due to the nature of the sample matrix, a reduced aliquot was used for sample preparation for the following sample: LEACHATE TANK (630-24690-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client: Cape May County Municipal Utilities Auth
Project/Site: Leachate Tank - PFAS

Job ID: 630-24690-1

Client Sample ID: LEACHATE TANK
Date Collected: 11/29/21 10:30
Date Received: 11/29/21 14:30

Lab Sample ID: 630-24690-1
Matrix: Wastewater

Method: T-WI21398 ver7 - SOP EPA 537 T-PFAS-WI21398 ver 7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid	**900**		20	5.0	ng/L		12/02/21 17:36	12/04/21 22:33	1
Perfluorodecanoic acid	**36**		20	5.0	ng/L		12/02/21 17:36	12/04/21 22:33	1
Perfluorododecanoic acid	ND		20	5.0	ng/L		12/02/21 17:36	12/04/21 22:33	1
Perfluoroheptanoic acid	**580**		20	5.0	ng/L		12/02/21 17:36	12/04/21 22:33	1
Perfluorohexanesulfonic acid	**880**		20	5.0	ng/L		12/02/21 17:36	12/04/21 22:33	1
Perfluorohexanoic acid	**1900**		20	5.0	ng/L		12/02/21 17:36	12/04/21 22:33	1
Perfluorononanoic acid	**110**		20	5.0	ng/L		12/02/21 17:36	12/04/21 22:33	1
Perfluorooctanesulfonic acid	**370**		20	5.0	ng/L		12/02/21 17:36	12/04/21 22:33	1
Perfluorooctanoic acid	**1400**		20	5.0	ng/L		12/02/21 17:36	12/04/21 22:33	1
Perfluorotetradecanoic acid	ND		20	5.0	ng/L		12/02/21 17:36	12/04/21 22:33	1
Perfluorotridecanoic acid	ND		20	5.0	ng/L		12/02/21 17:36	12/04/21 22:33	1
Perfluoroundecanoic acid	ND		20	5.0	ng/L		12/02/21 17:36	12/04/21 22:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C6 PFDA	*140*	*5+	*45 - 135*	*12/02/21 17:36*	*12/04/21 22:33*	*1*
13C2-PFDoDA	*136*		*20 - 148*	*12/02/21 17:36*	*12/04/21 22:33*	*1*
13C4 PFHpA	*99*		*34 - 143*	*12/02/21 17:36*	*12/04/21 22:33*	*1*
13C3 PFHxS	*178*	*5+	*38 - 144*	*12/02/21 17:36*	*12/04/21 22:33*	*1*
13C5 PFHxA	*63*		*30 - 143*	*12/02/21 17:36*	*12/04/21 22:33*	*1*
13C9 PFNA	*94*		*36 - 151*	*12/02/21 17:36*	*12/04/21 22:33*	*1*
13C8 PFOA	*119*		*37 - 141*	*12/02/21 17:36*	*12/04/21 22:33*	*1*
13C2 PFTeDA	*78*		*10 - 158*	*12/02/21 17:36*	*12/04/21 22:33*	*1*
13C7 PFUnA	*163*	*5+	*33 - 148*	*12/02/21 17:36*	*12/04/21 22:33*	*1*
13C3 PFBS	*398*	*5+	*11 - 191*	*12/02/21 17:36*	*12/04/21 22:33*	*1*
13C8 PFOS	*136*		*42 - 136*	*12/02/21 17:36*	*12/04/21 22:33*	*1*

Method: T-WI21398 ver7 - SOP EPA 537 T-PFAS-WI21398 ver 7 - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid	**880**		20	5.0	ng/L		12/02/21 17:36	12/09/21 12:07	1
Perfluorodecanoic acid	**61**		20	5.0	ng/L		12/02/21 17:36	12/09/21 12:07	1
Perfluorododecanoic acid	ND		20	5.0	ng/L		12/02/21 17:36	12/09/21 12:07	1
Perfluoroheptanoic acid	**430**		20	5.0	ng/L		12/02/21 17:36	12/09/21 12:07	1
Perfluorohexanesulfonic acid	**900**		20	5.0	ng/L		12/02/21 17:36	12/09/21 12:07	1
Perfluorohexanoic acid	**2200**		20	5.0	ng/L		12/02/21 17:36	12/09/21 12:07	1
Perfluorononanoic acid	**110**		20	5.0	ng/L		12/02/21 17:36	12/09/21 12:07	1
Perfluorooctanesulfonic acid	**380**		20	5.0	ng/L		12/02/21 17:36	12/09/21 12:07	1
Perfluorooctanoic acid	**2200**		20	5.0	ng/L		12/02/21 17:36	12/09/21 12:07	1
Perfluorotetradecanoic acid	ND		20	5.0	ng/L		12/02/21 17:36	12/09/21 12:07	1
Perfluorotridecanoic acid	ND		20	5.0	ng/L		12/02/21 17:36	12/09/21 12:07	1
Perfluoroundecanoic acid	ND		20	5.0	ng/L		12/02/21 17:36	12/09/21 12:07	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C6 PFDA	*65*		*45 - 135*	*12/02/21 17:36*	*12/09/21 12:07*	*1*
13C2-PFDoDA	*67*		*20 - 148*	*12/02/21 17:36*	*12/09/21 12:07*	*1*
13C4 PFHpA	*107*		*34 - 143*	*12/02/21 17:36*	*12/09/21 12:07*	*1*
13C3 PFHxS	*147*	*5+	*38 - 144*	*12/02/21 17:36*	*12/09/21 12:07*	*1*
13C5 PFHxA	*47*		*30 - 143*	*12/02/21 17:36*	*12/09/21 12:07*	*1*
13C9 PFNA	*113*		*36 - 151*	*12/02/21 17:36*	*12/09/21 12:07*	*1*
13C8 PFOA	*66*		*37 - 141*	*12/02/21 17:36*	*12/09/21 12:07*	*1*
13C2 PFTeDA	*52*		*10 - 158*	*12/02/21 17:36*	*12/09/21 12:07*	*1*
13C7 PFUnA	*74*		*33 - 148*	*12/02/21 17:36*	*12/09/21 12:07*	*1*

Client: Cape May County Municipal Utilities Auth
Project/Site: Leachate Tank - PFAS

Job ID: 630-24690-1

Client Sample ID: LEACHATE TANK
Date Collected: 11/29/21 10:30
Date Received: 11/29/21 14:30

Lab Sample ID: 630-24690-1
Matrix: Wastewater

Method: T-WI21398 ver7 - SOP EPA 537 T-PFAS-WI21398 ver 7 - RA (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	422	*5+	11 - 191	12/02/21 17:36	12/09/21 12:07	1
13C8 PFOS	107		42 - 136	12/02/21 17:36	12/09/21 12:07	1

Lab Chronicle

Client: Cape May County Municipal Utilities Auth
Job ID: 630-24690-1
Project/Site: Leachate Tank - PFAS

Client Sample ID: LEACHATE TANK
Lab Sample ID: 630-24690-1
Date Collected: 11/29/21 10:30
Matrix: Wastewater
Date Received: 11/29/21 14:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 IDA	RA		200890	12/02/21 17:36	ZWK6	ELLE
Total/NA	Analysis	T-WI21398 ver7	RA	1	203372	12/09/21 12:07	MT26	ELLE
Total/NA	Prep	537 IDA			200890	12/02/21 17:36	ZWK6	ELLE
Total/NA	Analysis	T-WI21398 ver7		1	201536	12/04/21 22:33	MT26	ELLE

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Cape May County Municipal Utilities Auth
Job ID: 630-24690-1
Project/Site: Leachate Tank - PFAS

Laboratory: Eurofins Lancaster Laboratories Env, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	1.01	11-30-22
A2LA	ISO/IEC 17025	0001.01	11-30-22
Alaska	State	PA00009	06-30-22
Alaska (UST)	State	17-027	02-28-22
Arizona	State	AZ0780	03-12-22
Arkansas DEQ	State	88-0660	08-10-22
California	State	2792	02-02-22
Colorado	State	PA00009	06-30-22
Connecticut	State	PH-0746	06-30-23
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-22
Delaware (DW)	State	N/A	02-01-22
Florida	NELAP	E87997	06-30-22
Georgia (DW)	State	C048	01-31-22
Hawaii	State	N/A	01-31-22
Illinois	NELAP	200027	01-31-23
Iowa	State	361	03-02-22
Kansas	NELAP	E-10151	10-31-22
Kentucky (DW)	State	KY90088	01-01-22
Kentucky (UST)	State	1.01	11-30-22
Kentucky (WW)	State	KY90088	12-31-21
Louisiana	NELAP	02055	06-30-22
Maine	State	2019012	03-12-22
Maryland	State	100	06-30-22
Massachusetts	State	M-PA009	06-30-22
Michigan	State	9930	01-31-22
Minnesota	NELAP	042-999-487	12-31-22
Missouri	State	450	01-31-25
Montana (DW)	State	0098	01-01-22
Nebraska	State	NE-OS-32-17	01-31-22
New Hampshire	NELAP	2730	01-10-22
New Jersey	NELAP	PA011	06-30-22
New York	NELAP	10670	04-01-22
North Carolina (DW)	State	42705	07-31-22
North Carolina (WW/SW)	State	521	12-31-21
North Dakota	State	R-205	01-31-22
Oklahoma	NELAP	R-205	08-31-22
Oregon	NELAP	PA200001	09-11-22
PALA	Canada	1978	09-16-24
Pennsylvania	NELAP	36-00037	01-31-22
Rhode Island	State	LAO00338	01-31-22
South Carolina	State	89002002	01-31-22
Tennessee	State	02838	01-31-22
Texas	NELAP	T104704194-21-40	08-31-22
Utah	NELAP	PA000092019-16	03-01-22
Vermont	State	VT - 36037	10-28-22
Virginia	NELAP	460182	06-14-22
Washington	State	C457	04-12-22
West Virginia (DW)	State	9906 C	12-31-21
West Virginia DEP	State	055	12-31-21
Wyoming	State	8TMS-L	01-31-22

Accreditation/Certification Summary

Client: Cape May County Municipal Utilities Auth
Job ID: 630-24690-1
Project/Site: Leachate Tank - PFAS

Laboratory: Eurofins Lancaster Laboratories Env, LLC (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wyoming (UST)	A2LA	1.01	11-30-22

Method Summary

Client: Cape May County Municipal Utilities Auth
Job ID: 630-24690-1
Project/Site: Leachate Tank - PFAS

Method	Method Description	Protocol	Laboratory
T-WI21398 ver7	SOP EPA 537 T-PFAS-WI21398 ver 7	ELLE - Lancaster	ELLE
537 IDA	EPA 537 Isotope Dilution	EPA	ELLE

Protocol References:

ELLE - Lancaster = Eurofins Lancaster, Facility Standard Operating Procedure.

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Cape May County Municipal Utilities Auth
Job ID: 630-24690-1
Project/Site: Leachate Tank - PFAS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
630-24690-1	LEACHATE TANK	Wastewater	11/29/21 10:30	11/29/21 14:30

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CHAIN OF CUSTODY

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630-24690 Chain of Custody

702 Electronic Drive	Phone: 215-355-3900
Horsham, PA 19044	Fax: 215-392-0626

Bill to/Report to (if different)

Sampling Site Address (if different) Include State

Client/Acct. No. Cape May Point

Address Utilities Authority

City/State/Zip

Phone/Fax

Client Contact:

P.O. No. PWSID #:

Quote #

e-mail:

PROJECT V00835

___ Ascorbic/HCL Vials # ___ HCl Vials
___ $Na_2S_2O_3$ _____
___ Na OH/Zn acetate pH _____
___ HNO_3 pH _____
___ H_2SO_4 pH _____
___ NaOH pH _____
___ Unpreserved
___ HCl # ____NH4Cl # ____MeOH
____ DI Water

MATRIX CODES

DW: DRINKING WATER
GW: GROUND WATER
WW: WASTEWATER
SO: SOIL
SL: SLUDGE
OIL: OIL
SOL: NON SOIL SOLID
MI: MISCELLANEOUS
X: OTHER

LAB USE ONLY

FIELD ID	Collection Date	Collection Military Time	GRAB	COMP	Matrix Code	Number of Containers Total	H_2SO_4	HCl	Vials	HNO_3	NaOH	ZnAc	UNPRE	BACT	Tri-2	ANALYSIS REQUESTED	Field pH, Temp (°C), DO, Cl2, Cond. etc.
Leachate Tank	11-24-21	1130	X		WW	2									2	PFAS (no blank)	

SAMPLED BY: (Name/Company) Client

TAT: ☐ STANDARD (10 DAY)
or DUE DATE____/____/____

Report Format: ☐ Standard ☐ NJ-RDD ☐ SRP-RDD
☐ Standard + QC ☐ Forms ☐ EDD

Please call for pricing and availability for rush (<10 day) turnaround and for all but standard reporting format.

Field Parameters Analyzed By:
Initials / Date/Time:

SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW. USE FULL LEGAL SIGNATURE, DATE AND MILITARY TIME (24 HOUR CLOCK, I.E. 8AM IS 0800, 4 PM IS 1600)

	DATE	TIME		DATE	TIME
RELINQUISHED BY SAMPLER 1.	11-24-21	1430	RECEIVED BY 1. ICE (PFAS Cooler)	11-24-21	1430
RELINQUISHED BY 2.	DATE	TIME	RECEIVED BY 2.	DATE	TIME
RELINQUISHED BY 3.	DATE	TIME	RECEIVED BY 3.	DATE	TIME
RELINQUISHED BY 4.	DATE	TIME	RECEIVED BY 4.	DATE	TIME
RELINQUISHED BY 5.	DATE	TIME	RECEIVED BY 5.	DATE	TIME

DELIVERY: ☐ EQC COURIER ☐ CLIENT ☐UPS ☐FEDEX ☐OTHER _____

Custody Seal Number

Rec'd Temp.: 2° Initials: ICE Y / N Location: VR

COMMENTS:

Hazardous: yes / no

Eurofins Environment Testing Philadelphia
213 Witmer Road
Horsham, PA 19044-0962
Phone: 215-355-3900 Fax: 888-785-8567

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Dougherty, Erin	Carrier Tracking No(s):	COC No: 630-6384.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Erin.Dougherty@eurofinset.com	State of Origin: New Jersey	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New Jersey		Job #: 630-24690-1
Address: 2425 New Holland Pike, .	Due Date Requested: 12/12/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: Leachate Tank - PFAS	Project #: 63004837			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wewater, Ssolid, Owaste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_NJ/3535_PFC PFAS - Leachate	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
LEACHATE TANK (630-24690-1)	11/29/21	10:30 Eastern		Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins QC, LLC – Horsham, PA places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins QC, LLC – Horsham, PA laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins QC, LLC – Horsham, PA attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins QC, LLC – Horsham, PA.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 11/29/2021 1900	Company EUC	Received by: Petrach (PFAS)	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11/29/21 21:42	Company EUC

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.: Petrach (PFAS)	Cooler Temperature(s) °C and Other Remarks: 2.1

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Cape May County Municipal Utilities Auth

Job Number: 630-24690-1

Login Number: 24690

List Source: Eurofins QC, LLC – Horsham, PA

List Number: 1

Creator: Minster, Will

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Cape May County Municipal Utilities Auth

Job Number: 630-24690-1

Login Number: 24690
List Number: 2
Creator: Cyms, Carolyn M

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 11/29/21 02:47 AM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	

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ANALYTICAL REPORT

Eurofins QC, LLC – Horsham, PA
213 Witmer Road
Horsham, PA 19044-0962
Tel: (215)355-3900

Laboratory Job ID: 630-23581-1
Client Project/Site: Leachate Tank - PFAS

For:
Cape May County Municipal Utilities Auth
1523 U.S. Route 9 North
PO BOX 610
Cape May Court House, New Jersey 08210

Attn: James Rocco

Authorized for release by:
11/3/2021 8:09:30 AM

Erin Dougherty, Project Administrator
(215)355-3900
Erin.Dougherty@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD,and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments. QC data that exceed the upper limits and are associated with non-detect samples are qualified but no further narration is needed since the bias is high and does not change a non-detect result. Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Coliform MCLs
· Based on the EPA primary drinking water standard MCL for total coliforms, a water supply is considered bacteriologically “SAFE” if no coliform bacteria are detected. To be considered “SAFE” your report should indicate “<1 cfu/100mL” or “NEG” for the coliform test. If you report indicates a positive result “POS” or a value greater than or equal to one, then your supply is “UNSAFE FOR DRINKING” contact your local health department.

Warranties, Terms, and Conditions
· Analyses for Field Parameters are performed by EQC field staff. Locations and certifications are identified on the Chain of Custody as follows:
ERF = field staff performs tests under NJ State certification #02015
VL = field staff performs tests under NJ State certification #06005
WG = field staff performs tests under NJ State certification #PA001
H = field staff performs tests under NJ NELAP certification #PA093, PA NELAP certification # 46-05499

· Test results meet all TNI or other applicable regulatory agency requirements, including holding times and preservation, unless otherwise indicated.

· The report shall not be reproduced, except in full, without the written consent of the laboratory

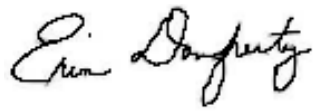
· All samples are collected as “grab” samples unless otherwise identified.

· Reported results related only to the samples as tested. EQC is not responsible for sample integrity unless sampling has been performed by a member of our staff.

· EQC is not responsible for sampling and/or testing omissions. Note that regulatory authorities may assess substantial fines for testing omissions. Please track your sample collection schedules and results on a regular basis (e.g. weekly, monthly, or quarterly) to ensure compliance.

· Eurofins’ online data portal “TotalAccess” will provide you with real-time access to collection dates and testing results. Please contact Client Services for further information.

· The following personnel or their deputies have approved the results of the tests performed by EQC: Nicki Smith (Environmental Chemistry) and Jacqueline Gartner (Water Microbiology).



Erin Dougherty
Project Administrator
11/3/2021 8:09:30 AM

Table of Contents

Client: Cape May County Municipal Utilities Auth
Job ID: 630-23581-1
Project/Site: Leachate Tank - PFAS

Qualifiers

LCMS

Qualifier	Qualifier Description
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
E	Result exceeded calibration range.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Cape May County Municipal Utilities Auth
Job ID: 630-23581-1
Project/Site: Leachate Tank - PFAS

Job ID: 630-23581-1

Laboratory: Eurofins QC, LLC – Horsham, PA

Narrative

Job Narrative
630-23581-1

Receipt
The sample was received on 10/26/2021 2:03 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice.

PFAS
Method PFC_IDA_NJ: The injection standard peak areas are outside of the QC acceptance limits in both the initial injection and the re-injection of the following sample: LEACHATE TANK (630-23581-1). The values here are from the re-injected sample.The labeled isotope recovery is outside of the QC acceptance limits in the following sample due to interference from sample matrix: LEACHATE TANK (630-23581-1).

Method PFC_IDA_NJ: Reporting limits were raised for the following samples: LEACHATE TANK (630-23581-1) due to interference from the sample matrix.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client: Cape May County Municipal Utilities Auth
Project/Site: Leachate Tank - PFAS

Job ID: 630-23581-1

Client Sample ID: LEACHATE TANK
Date Collected: 10/26/21 11:00
Date Received: 10/26/21 14:03

Lab Sample ID: 630-23581-1
Matrix: Wastewater

Method: T-WI21398 ver7 - SOP EPA 537 T-PFAS-WI21398 ver 7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid	**1200**		20	5.0	ng/L		10/28/21 09:14	11/01/21 19:23	1
Perfluorodecanoic acid	**41**		20	5.0	ng/L		10/28/21 09:14	11/01/21 19:23	1
Perfluorododecanoic acid	ND		20	5.0	ng/L		10/28/21 09:14	11/01/21 19:23	1
Perfluoroheptanoic acid	**720**		20	5.0	ng/L		10/28/21 09:14	11/01/21 19:23	1
Perfluorohexanesulfonic acid	**1100**		20	5.0	ng/L		10/28/21 09:14	11/01/21 19:23	1
Perfluorohexanoic acid	**2600**		20	5.0	ng/L		10/28/21 09:14	11/01/21 19:23	1
Perfluorononanoic acid	**130**		20	5.0	ng/L		10/28/21 09:14	11/01/21 19:23	1
Perfluorooctanesulfonic acid	**420**		20	5.0	ng/L		10/28/21 09:14	11/01/21 19:23	1
Perfluorooctanoic acid	**1800**		20	5.0	ng/L		10/28/21 09:14	11/01/21 19:23	1
Perfluorotetradecanoic acid	ND		20	5.0	ng/L		10/28/21 09:14	11/01/21 19:23	1
Perfluorotridecanoic acid	ND		20	5.0	ng/L		10/28/21 09:14	11/01/21 19:23	1
Perfluoroundecanoic acid	ND		20	5.0	ng/L		10/28/21 09:14	11/01/21 19:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C6 PFDA	*114*		*45 - 135*	*10/28/21 09:14*	*11/01/21 19:23*	*1*
13C2-PFDoDA	*151*	*5+	*20 - 148*	*10/28/21 09:14*	*11/01/21 19:23*	*1*
13C4 PFHpA	*78*		*34 - 143*	*10/28/21 09:14*	*11/01/21 19:23*	*1*
13C3 PFHxS	*133*		*38 - 144*	*10/28/21 09:14*	*11/01/21 19:23*	*1*
13C5 PFHxA	*61*		*30 - 143*	*10/28/21 09:14*	*11/01/21 19:23*	*1*
13C9 PFNA	*85*		*36 - 151*	*10/28/21 09:14*	*11/01/21 19:23*	*1*
13C8 PFOA	*90*		*37 - 141*	*10/28/21 09:14*	*11/01/21 19:23*	*1*
13C2 PFTeDA	*88*		*10 - 158*	*10/28/21 09:14*	*11/01/21 19:23*	*1*
13C7 PFUnA	*139*		*33 - 148*	*10/28/21 09:14*	*11/01/21 19:23*	*1*
13C3 PFBS	*319*	*5+	*11 - 191*	*10/28/21 09:14*	*11/01/21 19:23*	*1*
13C8 PFOS	*109*		*42 - 136*	*10/28/21 09:14*	*11/01/21 19:23*	*1*

Method: T-WI21398 ver7 - SOP EPA 537 T-PFAS-WI21398 ver 7 - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid	**1000**		20	5.0	ng/L		10/28/21 09:14	10/29/21 23:18	1
Perfluorodecanoic acid	**40**		20	5.0	ng/L		10/28/21 09:14	10/29/21 23:18	1
Perfluorododecanoic acid	ND		20	5.0	ng/L		10/28/21 09:14	10/29/21 23:18	1
Perfluoroheptanoic acid	**710**		20	5.0	ng/L		10/28/21 09:14	10/29/21 23:18	1
Perfluorohexanesulfonic acid	**1000**		20	5.0	ng/L		10/28/21 09:14	10/29/21 23:18	1
Perfluorohexanoic acid	**2700**		20	5.0	ng/L		10/28/21 09:14	10/29/21 23:18	1
Perfluorononanoic acid	**120**		20	5.0	ng/L		10/28/21 09:14	10/29/21 23:18	1
Perfluorooctanesulfonic acid	**390**		20	5.0	ng/L		10/28/21 09:14	10/29/21 23:18	1
Perfluorooctanoic acid	**2100**	**E**	20	5.0	ng/L		10/28/21 09:14	10/29/21 23:18	1
Perfluorotetradecanoic acid	ND		20	5.0	ng/L		10/28/21 09:14	10/29/21 23:18	1
Perfluorotridecanoic acid	ND		20	5.0	ng/L		10/28/21 09:14	10/29/21 23:18	1
Perfluoroundecanoic acid	ND		20	5.0	ng/L		10/28/21 09:14	10/29/21 23:18	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C6 PFDA	*91*		*45 - 135*	*10/28/21 09:14*	*10/29/21 23:18*	*1*
13C2-PFDoDA	*82*		*20 - 148*	*10/28/21 09:14*	*10/29/21 23:18*	*1*
13C4 PFHpA	*56*		*34 - 143*	*10/28/21 09:14*	*10/29/21 23:18*	*1*
13C3 PFHxS	*82*		*38 - 144*	*10/28/21 09:14*	*10/29/21 23:18*	*1*
13C5 PFHxA	*43*		*30 - 143*	*10/28/21 09:14*	*10/29/21 23:18*	*1*
13C9 PFNA	*88*		*36 - 151*	*10/28/21 09:14*	*10/29/21 23:18*	*1*
13C8 PFOA	*63*		*37 - 141*	*10/28/21 09:14*	*10/29/21 23:18*	*1*
13C2 PFTeDA	*42*		*10 - 158*	*10/28/21 09:14*	*10/29/21 23:18*	*1*
13C7 PFUnA	*91*		*33 - 148*	*10/28/21 09:14*	*10/29/21 23:18*	*1*

Client: Cape May County Municipal Utilities Auth
Project/Site: Leachate Tank - PFAS

Job ID: 630-23581-1

Client Sample ID: LEACHATE TANK
Date Collected: 10/26/21 11:00
Date Received: 10/26/21 14:03

Lab Sample ID: 630-23581-1
Matrix: Wastewater

Method: T-WI21398 ver7 - SOP EPA 537 T-PFAS-WI21398 ver 7 - RA (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C3 PFBS	236	*5+	11 - 191	10/28/21 09:14	10/29/21 23:18	1
13C8 PFOS	91		42 - 136	10/28/21 09:14	10/29/21 23:18	1

Lab Chronicle

Client: Cape May County Municipal Utilities Auth
Job ID: 630-23581-1
Project/Site: Leachate Tank - PFAS

Client Sample ID: LEACHATE TANK
Lab Sample ID: 630-23581-1

Date Collected: 10/26/21 11:00
Matrix: Wastewater
Date Received: 10/26/21 14:03

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	537 IDA	RA		188147	10/28/21 09:14	D5VP	ELLE
Total/NA	Analysis	T-WI21398 ver7	RA	1	188774	10/29/21 23:18	JVK6	ELLE
Total/NA	Prep	537 IDA			188147	10/28/21 09:14	D5VP	ELLE
Total/NA	Analysis	T-WI21398 ver7		1	189460	11/01/21 19:23	JVK6	ELLE

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Cape May County Municipal Utilities Auth
Job ID: 630-23581-1
Project/Site: Leachate Tank - PFAS

Laboratory: Eurofins Lancaster Laboratories Env, LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	1.01	11-30-22
Alaska	State	PA00009	06-30-22
Alaska (UST)	State	17-027	02-28-22
Arizona	State	AZ0780	03-12-22
Arkansas DEQ	State	88-0660	08-10-22
California	State	2792	02-02-22
Colorado	State	PA00009	06-30-22
Connecticut	State	PH-0746	06-30-23
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-22
Delaware (DW)	State	N/A	02-01-22
Florida	NELAP	E87997	06-30-22
Hawaii	State	N/A	01-31-22
Illinois	NELAP	004559	01-31-22
Iowa	State	361	03-02-22
Kansas	NELAP	E-10151	10-31-22
Kentucky (DW)	State	KY90088	01-01-22
Kentucky (UST)	State	1.01	11-30-22
Kentucky (WW)	State	KY90088	12-31-21
Louisiana	NELAP	02055	06-30-22
Maine	State	2019012	03-12-22
Maryland	State	100	06-30-22
Massachusetts	State	M-PA009	06-30-22
Michigan	State	9930	01-31-22
Minnesota	NELAP	042-999-487	12-31-21
Missouri	State	450	01-31-22
Montana (DW)	State	0098	01-01-22
Montana (UST)	State	0098	01-01-22
Nebraska	State	NE-OS-32-17	01-31-22
New Hampshire	NELAP	273019	01-10-22
New Jersey	NELAP	PA011	06-30-22
New York	NELAP	10670	04-01-22
North Carolina (DW)	State	42705	07-31-22
North Carolina (WW/SW)	State	521	12-31-21
North Dakota	State	R-205	01-31-22
Oklahoma	NELAP	R-205	08-31-22
Oregon	NELAP	PA200001-018	09-11-22
PALA	Canada	1978	09-16-24
Pennsylvania	NELAP	36-00037	01-31-22
Rhode Island	State	LAO00338	01-31-22
South Carolina	State	89002002	01-31-22
Tennessee	State	02838	01-31-22
Texas	NELAP	T104704194-21-40	08-31-22
Utah	NELAP	PA000092019-16	03-01-22
Virginia	NELAP	10561	06-14-22
Washington	State	C457	04-12-22
West Virginia (DW)	State	9906 C	12-31-21
West Virginia DEP	State	055	12-31-21
Wyoming	State	8TMS-L	01-31-22
Wyoming (UST)	A2LA	1.01	11-30-22

Method Summary

Client: Cape May County Municipal Utilities Auth
Job ID: 630-23581-1
Project/Site: Leachate Tank - PFAS

Method	Method Description	Protocol	Laboratory
T-WI21398 ver7	SOP EPA 537 T-PFAS-WI21398 ver 7	ELLE - Lancaster	ELLE
537 IDA	EPA 537 Isotope Dilution	EPA	ELLE

Protocol References:

ELLE - Lancaster = Eurofins Lancaster, Facility Standard Operating Procedure.

EPA = US Environmental Protection Agency

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Cape May County Municipal Utilities Auth
Project/Site: Leachate Tank - PFAS

Job ID: 630-23581-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
630-23581-1	LEACHATE TANK	Wastewater	10/26/21 11:00	10/26/21 14:03

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CHAIN OF CUSTODY

Page ____ of ____

Lab LIMS No:

630-23581 Chain of Custody

LAB USE ONLY

MATRIX CODES

	WATER
	WATER
	WATER
SO:	SOIL
SL:	SLUDGE
OIL:	OIL
SOL:	NON SOIL SOLID
MI:	MISCELLANEOUS
X:	OTHER

702 Electronic Drive
Horsham, PA 19044
Phone: 215-355-3900
Fax: 215-392-0626

Bill to/Report to (if different)

Sampling Site Address (if different) Include State

Client/Acct. No. Cape May County MUA
Address 1523 Rt. 9 N.
City/State/Zip Cape May Court Hse.
Phone/Fax
Client Contact:

P.O. No. PWSID #:
Quote #
e-mail:

PROJECT V00835

Ascorbic/
$Na_2S_2O_3$
Na OH/Zn acetate pH
HNO_3 pH
H_2SO_4 pH
NaOH pH
Unpreserved
HCl # NH4Cl # MeOH
DI Water

FIELD ID	Collection Date	Collection Military Time	GRAB	COMP	Matrix Code	Number of Containers Total	H_2SO_4	HCl	Vials	HNO_3	NaOH	Znac	UNPRE	BACT	Tr. Z	ANALYSIS REQUESTED	Field pH, Temp (°C), DO, Cl2, Cond. etc.
Leachate Tank	10-26-21	1100	X		WW	2									2	PFAS	

SAMPLED BY: (Name/Company)

TAT: ☐ STANDARD (10 DAY)
or DUE DATE ____/____/____
Please call for pricing and availability for rush (<10 day) turnaround and for all but standard reporting format.

Report Format: ☐ Standard ☐ NJ-RDD ☐ SRP-RDD
☐ Standard + QC ☐ Forms ☐ EDD

Field Parameters Analyzed By:
Initials | Date/Time:

SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW. USE FULL LEGAL SIGNATURE, DATE AND MILITARY TIME (24 HOUR CLOCK, I.E. 8AM IS 0800, 4 PM IS 1600)

	RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
1.		10-26-21	1400	Cooler # CAS	10-26-21	1400
2.						
3.						
4.						
5.						

DELIVERY: ☐ EQC COURIER ☐ CLIENT ☐ UPS ☐ FEDEX ☐ OTHER ____

Custody Seal Number

Rec'd Temp.: 2.0 Initials: Ice Y / N Location:

COMMENTS:

Hazardous: yes / no

Eurofins Environment Testing Philadelphia-
213 Witmer Road
Horsham, PA 19044-0962
Phone: 215-355-3900 Fax: 888-785-8567

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Dougherty, Erin	Carrier Tracking No(s):	COC No: 630-6093.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Erin.Dougherty@eurofinset.com	State of Origin: New Jersey	Page: Page 1 of 1
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - New Jersey		Job #: 630-23581-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 11/8/2021			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: CMCMUA - Leachate PFAS	Project #: 63004837			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_NJ/3535_PFC PFAS - Leachate	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
LEACHATE TANK (630-23581-1)	10/26/21	11:00 Eastern		Water			X	2	

Note: Since laboratory accreditations are subject to change, Eurofins QC, LLC – Horsham, PA places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins QC, LLC – Horsham, PA laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins QC, LLC – Horsham, PA attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins QC, LLC – Horsham, PA.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 1	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	10-26-21 1400	Eurofins	[signature]	10-26-21 1400	[signature]
2	/	/	/			
3	/	/	/	[signature]	10/26/21 2145	ELLET

Custody Seals Intact: ☐ Yes ☐ No Custody Seal No.: CAS

Cooler Temperature(s) °C and Other Remarks: 2.4

Login Sample Receipt Checklist

Client: Cape May County Municipal Utilities Auth

Job Number: 630-23581-1

Login Number: 23581

List Source: Eurofins QC, LLC – Horsham, PA

List Number: 1

Creator: Kurz, Chris

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Cape May County Municipal Utilities Auth

Job Number: 630-23581-1

Login Number: 23581
List Number: 2
Creator: Metzger, Katherine A

List Source: Eurofins Lancaster Laboratories Env, LLC
List Creation: 10/26/21 10:28 PM

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	