

July 8, 2022

Incorporated Village of Mineola

PWS ID No. NY2902839

MCL Deferral for 1,4-Dioxane, PFOA, and PFOS

Quarterly Report – Second Quarter 2022

Introduction

On behalf of the Incorporated Village of Mineola (Village), D&B Engineers and Architects (D&B) has prepared this document in accordance with the requirements of the New York State Department of Health (NYSDOH) for public water suppliers who have been granted deferrals from maximum contaminant level (MCL) violations for 1,4-dioxane, perfluorooctanoic acid (PFOA), and/or perfluorooctanesulfonic acid (PFOS). The Village was granted an MCL deferral for 1,4-dioxane, PFOA, and PFOS in 2020. The Village was granted a deferral because it has been proactive in its efforts to establish and implement an action plan for managing the above-referenced compounds.

Contractors and water suppliers have been experiencing a disruption in the supply chain of chemical supplies, equipment, infrastructure components, pipe and materials (e.g., steel), and treatment systems, both nationwide and locally. Shortages of these necessary items have significantly impacted the Village, primarily in terms of price increases, decreased availability, and longer lead times. In addition, due to the rapidly-changing regulatory environment, the local and state regulators are experiencing a large number of capital project submissions, in addition to their regular workload, which have led to an increase in the regulatory review times of engineering reports, detailed design plans, and specifications. In many cases, these factors, which are out of the Village's control, have caused delays in obtaining final regulatory approval, commencing construction, procuring equipment and necessary components, and conforming to proposed construction schedules.

The Village has done everything within its power to adhere to the project schedules approved in the original deferral request, as described in the previous quarterly deferral reports. Although compliance deferrals were issued early on, the full impact of supply chain issues and delays were not yet known and, due to regulatory changes through the imposition of an expanded list of contaminants with lower regulatory advisory levels or MCLs, these delays are expected to become worse before improving due to increased national demand. The current supply chain and regulatory environment changes are unprecedented, and the wide reach of their impact could not have been anticipated at the time when project schedules were originally developed. In light of these exceptional circumstances, the Village anticipates the need for both a 12-month deferral extension as well as additional time consideration in completing the project under the impacts caused by these supply chain issues. The Village's goal, as always, is to provide an adequate supply of potable water to its community and will continue to move forward on these projects to further that goal.

The enclosed is a report describing the Village's progress towards maintaining the highest quality of water for our customers and meeting the deadlines set forth in the deferral approval. An updated schedule for these efforts is contained in **Attachment A**.

Corrective Action Plan Milestones – Well 4

The Village's Well 4 AOP treatment project is currently under regulatory review. Detailed design documents for the facility were submitted to the Nassau County (NC) DOH and NYSDOH in the third quarter of 2021. NYSDOH approval was recommended by the NCDOH in May 2022. Final approval by the NYSDOH is expected to occur in the third quarter of 2022. The project has been placed out to bid, with bid documents available to contractors as of June 15, 2022, and bids will be opened on July 27, 2022. The Village will not commence construction prior to approval.

While these documents are being reviewed, the Village is in the process of pre-purchasing the Granular Activated Carbon Adsorption System equipment and commencing the public bidding process. Although it has been granted a deferral, the Village did not use this well to supply drinking water in the second quarter of 2022 and will strive to minimize future use of the well because of its elevated 1,4-dioxane, PFOA, and PFOS levels. The completion of this project is imperative to ensure continued use of the well while meeting federal emerging contaminant regulations.

Public Notification

In accordance with the terms of the deferral, the Village has maintained an open line of communication with the public regarding its deferral. The deferral public notification documentation is still featured prominently on the Village website, as are all previous quarterly reports.

Analytical Sampling

Sample results for Well 4 taken during the second quarter of 2022 are contained in the below tables. Full laboratory reports for each sample are contained in **Attachment B**.

1,4-Dioxane (parts per billion, ppb)

Well	Date
	May 2022
Well 4 (N-3185)	0.66 In Progress

PFOA (parts per trillion, ppt)

Well	Date
	June 2022
Well 4 (N-3185)	ND
Well 4 Air Stripper (AS-3185)	19.4

PFOS (parts per trillion, ppt)

Well	Date
	June 2022
Well 4 (N-3185)	ND
Well 4 Air Stripper (AS-3185)	4.8

ND – Not Detected

Conclusion

As demonstrated above, the Village is actively working to preserve the quality of water for its customers and comply with the requirements put forth by the NYSDOH. The Village looks forward to continuing to work towards completion of its treatment facilities.

Should you have any questions, please contact the Village at 516-746-0750 or visit the website, www.mineola-ny.gov.

Very truly yours,

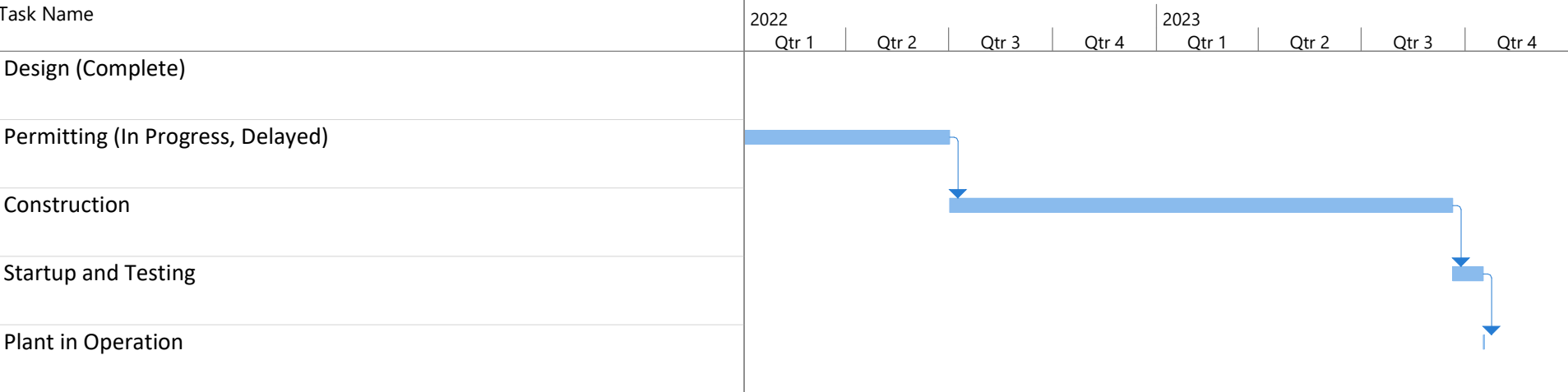
Board of Trustees
Incorporated Village of Mineola

Enclosures

cc: K. Wheeler (NYSDOH)
B. Rogers (NYSDOH)
W. Provoncha (NCDH)
P. Young (NCDH)
R. Putnam (NCDH)
T. Rini (IVM)
J. Martin (IVM)
B. Merklin (D&B)
L. Ortiz (D&B)
P. Connell (D&B)

ATTACHMENT A

Project Schedule Associated with MCL Deferral



ATTACHMENT B

Water Quality Data



575 Broad Hollow Road, Melville, NY 11747
 TEL: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

Laboratory Results

Results for the samples and analytes requested
 The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Sample Information:

Type: Drinking Water
 Origin: Raw Well
 Routine

Mineola, Inc. Village of
42 E. 2nd Street
Mineola, NY 11501

Lab No. : 70217314001
Client Sample ID.: N-03185

Attn To : James Martin

Federal ID : 2902839

Collected : 06/07/2022 09:35 AM Point N-03185

Received : 06/07/2022 02:55 PM Location Well #4

Collected By CLIENT

Analytical Method:EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrate as N	5.3		5	mg/L	10	06/08/2022 4:06 AM	001 BP4U1/1
Nitrate-Nitrite (as N)	5.3		5	mg/L		06/08/2022 4:06 AM	001 BP4U1/1

Analytical Method:EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrite as N	<0.050		1	mg/L	1	06/08/2022 2:29 AM	001 BP4U1/1

Analytical Method:EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3,L1	5	ug/L	5	06/20/2022 12:48	001 VG9C1/2
1,1-Dichloroethane	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
1,2,4-Trichlorobenzene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
Benzene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
Bromobenzene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
Bromochloromethane	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
Bromodichloromethane	<0.50		1	ug/L		06/20/2022 12:48	001 VG9C1/2
Bromoform	<0.50		1	ug/L		06/20/2022 12:48	001 VG9C1/2
Bromomethane	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
Carbon tetrachloride	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
Chlorobenzene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2

Qualifiers:

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
 ND - Not Detected at or above adjusted reporting limit.
 J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit. Estimated value - below calibration range
 U - Indicates the compound was analyzed for, but not detected
 See qualifiers page for additional qualifier definitions.

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Result(s) reported meet(s) NYS Regulatory Limit(s).
 Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.



575 Broad Hollow Road, Melville, NY 11747
 TEL: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

Laboratory Results

Results for the samples and analytes requested
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Sample Information:

Type: Drinking Water
 Origin: Raw Well
 Routine

Mineola, Inc. Village of
42 E. 2nd Street
Mineola, NY 11501

Lab No. : 70217314001
Client Sample ID.: N-03185

Attn To : James Martin

Federal ID : 2902839

Collected : 06/07/2022 09:35 AM Point N-03185

Received : 06/07/2022 02:55 PM Location Well #4

Collected By CLIENT

Chlorodifluoromethane	<0.50	N3,L1,IL	1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
Chloroethane	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
Chloroform	<0.50		1	ug/L		06/20/2022 12:48	001 VG9C1/2
Chloromethane	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
Dibromochloromethane	<0.50		1	ug/L		06/20/2022 12:48	001 VG9C1/2
Dibromomethane	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
Dichlorodifluoromethane	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
Ethylbenzene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
Hexachloro-1,3-butadiene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
Isopropylbenzene (Cumene)	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
Methyl-tert-butyl ether	<0.50	L1	1	ug/L	10	06/20/2022 12:48	001 VG9C1/2
Methylene Chloride	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
Styrene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
Tetrachloroethene	7.5*		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
Toluene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
Total Trihalomethanes (Calc.)	<0.50		1	ug/L	80	06/20/2022 12:48	001 VG9C1/2
Trichloroethene	5.1*		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
Trichlorofluoromethane	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
Vinyl chloride	<0.50		1	ug/L	2	06/20/2022 12:48	001 VG9C1/2
cis-1,2-Dichloroethene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
cis-1,3-Dichloropropene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
m&p-Xylene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
n-Butylbenzene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
n-Propylbenzene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
o-Xylene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
p-Isopropyltoluene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
sec-Butylbenzene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
tert-Butylbenzene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
trans-1,2-Dichloroethene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
trans-1,3-Dichloropropene	<0.50		1	ug/L	5	06/20/2022 12:48	001 VG9C1/2
Surr: 1,2-Dichlorobenzene-d4 (S)	89%		1	%REC		06/20/2022 12:48	001 VG9C1/2
Surr: 4-Bromofluorobenzene (S)	91%		1	%REC		06/20/2022 12:48	001 VG9C1/2

Analytical Method: EPA 537.1

Prep Method: EPA 537.1

Prep Date: 06/17/2022 11:15

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	<1.8		1	ng/L		06/22/2022 1:31 AM	35724326001
Perfluoroheptanoic acid	<1.8		1	ng/L		06/22/2022 1:31 AM	35724326001
Perfluorohexanesulfonic acid	<1.8		1	ng/L		06/22/2022 1:31 AM	35724326001
Perfluorononanoic acid	<1.8		1	ng/L		06/22/2022 1:31 AM	35724326001
Perfluorooctanesulfonic acid	<1.8	1		ng/L	10	06/22/2022 1:31 AM	35724326001
Perfluorooctanoic acid	<1.8	1		ng/L	10	06/22/2022 1:31 AM	35724326001
Surr: 13C2-PFDA (S)	87%		1	%REC		06/22/2022 1:31 AM	35724326001
Surr: 13C2-PFHxA (S)	80%		1	%REC		06/22/2022 1:31 AM	35724326001

Qualifiers:

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit. Estimated value - below calibration range

U - Indicates the compound was analyzed for, but not detected

See qualifiers page for additional qualifier definitions.

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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Laboratory Results

Results for the samples and analytes requested
The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Sample Information:

Type: Drinking Water
Origin: Raw Well
Routine

Mineola, Inc. Village of
42 E. 2nd Street
Mineola, NY 11501

Lab No. : 70217314001
Client Sample ID.: N-03185

Attn To : James Martin

Federal ID : 2902839

Collected : 06/07/2022 09:35 AM Point N-03185

Received : 06/07/2022 02:55 PM Location Well #4

Collected By CLIENT

Surr: HFPO-DAS (S)	74%	1	%REC	06/22/2022 1:31 AM	35724326001
Surr: NEtFOSAA-d5 (S)	77%	1	%REC	06/22/2022 1:31 AM	35724326001

Qualifiers:

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit. Estimated value - below calibration range

U - Indicates the compound was analyzed for, but not detected

See qualifiers page for additional qualifier definitions.

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

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Laboratory Results

Results for the samples and analytes requested
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Sample Information:

Type: Drinking Water
 Origin: Other
 Routine

Mineola, Inc. Village of
42 E. 2nd Street
Mineola, NY 11501

Lab No. : 70217314002
Client Sample ID.: N-03185 FB

Attn To : James Martin

Federal ID : 2902839

Collected : 06/07/2022 09:35 AM Point

Received : 06/07/2022 02:55 PM Location

Collected By CLIENT

Analytical Method: EPA 537.1		Prep Method: EPA 537.1			Prep Date: 06/13/2022 10:46		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	<1.8		1	ng/L		06/17/2022 2:30 AM	002 BP3T1/2
Perfluoroheptanoic acid	<1.8		1	ng/L		06/17/2022 2:30 AM	002 BP3T1/2
Perfluorohexanesulfonic acid	<1.8		1	ng/L		06/17/2022 2:30 AM	002 BP3T1/2
Perfluorononanoic acid	<1.8		1	ng/L		06/17/2022 2:30 AM	002 BP3T1/2
Perfluorooctanesulfonic acid	<1.8		1	ng/L	10	06/17/2022 2:30 AM	002 BP3T1/2
Perfluorooctanoic acid	<1.8		1	ng/L	10	06/17/2022 2:30 AM	002 BP3T1/2
Surr: 13C2-PFDA (S)	121%		1	%REC		06/17/2022 2:30 AM	002 BP3T1/2
Surr: 13C2-PFHxA (S)	105%		1	%REC		06/17/2022 2:30 AM	002 BP3T1/2
Surr: HFPO-DAS (S)	99%		1	%REC		06/17/2022 2:30 AM	002 BP3T1/2

Qualifiers:

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit. Estimated value - below calibration range

U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 06/24/2022

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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www.pacelabs.com

Laboratory Results

Results for the samples and analytes requested
The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Sample Information:

Type: Drinking Water
Origin: Treated Well
Routine

Treatment

Air Stripper

Mineola, Inc. Village of
42 E. 2nd Street
Mineola, NY 11501

Attn To : James Martin

Federal ID : 2902839

Collected : 06/07/2022 09:44 AM Point AS-03185

Received : 06/07/2022 02:55 PM Location Well #4 AST

Collected By CLIENT

Lab No. : 70217314003

Client Sample ID.: AS-03185

Analytical Method:EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrate as N	5.4		5	mg/L	10	06/08/2022 4:10 AM	003 BP4U1/1
Nitrate-Nitrite (as N)	5.4		5	mg/L		06/08/2022 4:10 AM	003 BP4U1/1

Analytical Method:EPA 353.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Nitrite as N	<0.050		1	mg/L	1	06/08/2022 2:30 AM	003 BP4U1/1

Analytical Method:EPA 524.2

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
1,1,1,2-Tetrachloroethane	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
1,1,1-Trichloroethane	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
1,1,2,2-Tetrachloroethane	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
1,1,2-Trichloroethane	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
1,1,2-Trichlorotrifluoroethane	<0.50	N3,L1	1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
1,1-Dichloroethane	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
1,1-Dichloroethene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
1,1-Dichloropropene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
1,2,3-Trichlorobenzene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
1,2,3-Trichloropropane	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
1,2,4-Trichlorobenzene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
1,2,4-Trimethylbenzene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
1,2-Dichlorobenzene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
1,2-Dichloroethane	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
1,2-Dichloropropane	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
1,3,5-Trimethylbenzene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
1,3-Dichlorobenzene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
1,3-Dichloropropane	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
1,4-Dichlorobenzene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
2,2-Dichloropropane	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
2-Chlorotoluene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
4-Chlorotoluene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
Benzene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
Bromobenzene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
Bromochloromethane	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
Bromodichloromethane	<0.50		1	ug/L		06/20/2022 12:22	003 VG9C1/2
Bromoform	<0.50		1	ug/L		06/20/2022 12:22	003 VG9C1/2
Bromomethane	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
Carbon tetrachloride	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
Chlorobenzene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2

Qualifiers:

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit. Estimated value - below calibration range

U - Indicates the compound was analyzed for, but not detected

See qualifiers page for additional qualifier definitions.

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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575 Broad Hollow Road, Melville, NY 11747
 TEL: (631) 694-3040 FAX: (631) 420-8436
www.pacelabs.com

Laboratory Results

Results for the samples and analytes requested
 The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Sample Information:

Type: Drinking Water
 Origin: Treated Well
 Routine

Treatment

Air Stripper

Mineola, Inc. Village of
42 E. 2nd Street
Mineola, NY 11501

Lab No. : 70217314003
Client Sample ID.: AS-03185

Attn To : James Martin

Federal ID : 2902839

Collected : 06/07/2022 09:44 AM Point AS-03185

Received : 06/07/2022 02:55 PM Location Well #4 AST

Collected By CLIENT

Chlorodifluoromethane	<0.50	N3,L1,IL	1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
Chloroethane	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
Chloroform	<0.50		1	ug/L		06/20/2022 12:22	003 VG9C1/2
Chloromethane	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
Dibromochloromethane	<0.50		1	ug/L		06/20/2022 12:22	003 VG9C1/2
Dibromomethane	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
Dichlorodifluoromethane	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
Ethylbenzene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
Hexachloro-1,3-butadiene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
Isopropylbenzene (Cumene)	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
Methyl-tert-butyl ether	<0.50	L1	1	ug/L	10	06/20/2022 12:22	003 VG9C1/2
Methylene Chloride	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
Styrene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
Tetrachloroethene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
Toluene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
Total Trihalomethanes (Calc.)	<0.50		1	ug/L	80	06/20/2022 12:22	003 VG9C1/2
Trichloroethene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
Trichlorofluoromethane	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
Vinyl chloride	<0.50		1	ug/L	2	06/20/2022 12:22	003 VG9C1/2
cis-1,2-Dichloroethene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
cis-1,3-Dichloropropene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
m&p-Xylene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
n-Butylbenzene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
n-Propylbenzene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
o-Xylene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
p-Isopropyltoluene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
sec-Butylbenzene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
tert-Butylbenzene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
trans-1,2-Dichloroethene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
trans-1,3-Dichloropropene	<0.50		1	ug/L	5	06/20/2022 12:22	003 VG9C1/2
Surr: 1,2-Dichlorobenzene-d4 (S)	91%		1	%REC		06/20/2022 12:22	003 VG9C1/2
Surr: 4-Bromofluorobenzene (S)	89%		1	%REC		06/20/2022 12:22	003 VG9C1/2

Analytical Method: EPA 537.1

Prep Method: EPA 537.1

Prep Date: 06/13/2022 10:46

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	<1.8		1	ng/L		06/20/2022 3:43 PM	003 BP3T1/2
Perfluoroheptanoic acid	3.7		1	ng/L		06/20/2022 3:43 PM	003 BP3T1/2
Perfluorohexanesulfonic acid	4.9		1	ng/L		06/20/2022 3:43 PM	003 BP3T1/2
Perfluorononanoic acid	<1.8		1	ng/L		06/20/2022 3:43 PM	003 BP3T1/2
Perfluorooctanesulfonic acid	4.8	1		ng/L	10	06/20/2022 3:43 PM	003 BP3T1/2
Perfluorooctanoic acid	19.4*	1		ng/L	10	06/20/2022 3:43 PM	003 BP3T1/2
Surr: 13C2-PFDA (S)	94%		1	%REC		06/20/2022 3:43 PM	003 BP3T1/2
Surr: 13C2-PFHxA (S)	99%		1	%REC		06/20/2022 3:43 PM	003 BP3T1/2

Qualifiers:

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit. Estimated value - below calibration range

U - Indicates the compound was analyzed for, but not detected

See qualifiers page for additional qualifier definitions.

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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Laboratory Results

Results for the samples and analytes requested
The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

Sample Information:

Type: Drinking Water
Origin: Treated Well
Routine

Treatment

Air Stripper

Mineola, Inc. Village of
42 E. 2nd Street
Mineola, NY 11501

Lab No. : 70217314003
Client Sample ID.: AS-03185

Attn To : James Martin

Federal ID : 2902839

Collected : 06/07/2022 09:44 AM Point AS-03185

Received : 06/07/2022 02:55 PM Location Well #4 AST

Collected By CLIENT

Surr: HFPO-DAS (S)	91%	1	%REC	06/20/2022 3:43 PM	003 BP3T1/2
Surr: NEtFOSAA-d5 (S)	95%	1	%REC	06/20/2022 3:43 PM	003 BP3T1/2

Qualifiers:

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit. Estimated value - below calibration range

U - Indicates the compound was analyzed for, but not detected

See qualifiers page for additional qualifier definitions.

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Jennifer Aracri

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Laboratory Results

Results for the samples and analytes requested
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Sample Information:

Type: Drinking Water
 Origin: Other
 Routine

Mineola, Inc. Village of
42 E. 2nd Street
Mineola, NY 11501

Lab No. : 70217314004
Client Sample ID.: AS-03185 FB

Attn To : James Martin

Federal ID : 2902839

Collected : 06/07/2022 09:44 AM Point

Received : 06/07/2022 02:55 PM Location

Collected By CLIENT

Analytical Method: EPA 537.1		Prep Method: EPA 537.1			Prep Date: 06/13/2022 10:46		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
Perfluorobutanesulfonic acid	<1.8		1	ng/L		06/20/2022 4:14 PM	004 BP3T1/2
Perfluoroheptanoic acid	<1.8		1	ng/L		06/20/2022 4:14 PM	004 BP3T1/2
Perfluorohexanesulfonic acid	<1.8		1	ng/L		06/20/2022 4:14 PM	004 BP3T1/2
Perfluorononanoic acid	<1.8		1	ng/L		06/20/2022 4:14 PM	004 BP3T1/2
Perfluorooctanesulfonic acid	<1.8		1	ng/L	10	06/20/2022 4:14 PM	004 BP3T1/2
Perfluorooctanoic acid	<1.8		1	ng/L	10	06/20/2022 4:14 PM	004 BP3T1/2
Surr: 13C2-PFDA (S)	92%		1	%REC		06/20/2022 4:14 PM	004 BP3T1/2
Surr: 13C2-PFHxA (S)	92%		1	%REC		06/20/2022 4:14 PM	004 BP3T1/2
Surr: HFPO-DAS (S)	87%		1	%REC		06/20/2022 4:14 PM	004 BP3T1/2

Qualifiers:

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit. Estimated value - below calibration range

U - Indicates the compound was analyzed for, but not detected

Result(s) reported meet(s) NYS Regulatory Limit(s).

Result(s) flagged with * Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 06/24/2022

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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575 Broad Hollow Road, Melville, NY 11747
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WorkOrder :

70217314

Laboratory Certifications

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174
Alaska DEC- CS/UST/LUST
Alabama Certification #: 41320
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL01264
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
New Hampshire Certification #: 2958
New Jersey Certification #: FL022
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
North Dakota Certification #: R-216
Ohio DEP 87780
Oklahoma Certification #: D9947
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity



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www.pacelabs.com

WorkOrder :

70217314

Laboratory Certifications

Pace Analytical Services Long Island

575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302



575 Broad Hollow Road, Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
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WorkOrder :

70217314

Additional Qualifiers

IL - This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.

L1 - Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

N3 - Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

WO#: 70217314



70217314

Sample Request Form PUBLIC WATER SUPPLIER

Date: 6-7-22

Collected By: FK

Accepted By: [Signature] 6/7/22

Cooler Temp: 2.8 °C

Return to Lab
6/7/22 1620☐ WELL OFF LINE☐ WELL RUN TO SYSTEM☒ YES ☐ NO VOC'S PRESERVED WITH HCl**Client Info:**

Name or Code: Village of Minnetonka

Address: 215 Westport Ave.

Phone #: 746-0751

Attn:

Proj. # or (Name):

Bill To:

Copies To:

Sample Types

PW - Potable Water

☒ GW - Groundwater

SW - Surface Water

WW - Waste Water

AQ - Aqueous

S - Soil

Purpose☒ RO - Routine

RE - Resample

S - Special

Origin

D - Distribution

☒ RW - Raw Well☒ TW - Treated Well

T - Tank

MW - Monitoring Well

I - Influent

E - Effluent

Treatment Types☒ AST - Air Stripper

GAC - Granular Activated Charcoal

N - Nitrate Removal Plant

FE - Iron Removal Plant

O - Other

Sample Info:

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings Cl ₂ pH/Temp		Analysis	Lab No.
9:35	GW	Well 4	RW		RO	-	6.0 / 17.4	Poc / Nitrate	N-03185
	GW	Well 4	RW		RO		6.0 / 14.7	537 Raw	N-03185
	GW	Well 4	RW		RO			Field Blank	N-03185
9:43	PW	Well 4	TW	AST	RO		7.2 / 15.4	Poc / Nitrate	AS-03185
9:44	PW	Well 4	TW	AST	RO			# 537	AS-03185
		Well 4						Field Blank	AS-03185

Remarks:

month 1/4 Sample



Sample Condition Upon Rec

WO#: 70217314

Client Name:

Mjiweola

Project

PM: JSA

Due Date: 06/16/22

CLIENT: MWD

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No / Seals intact: ☐ Yes ☐ No ☒ N/APacking Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Ziploc ☐ None ☐ OtherThermometer Used: ~~TH091~~ TH100 Correction Factor: + 0.1Cooler Temperature (°C): 2.8 Cooler Temperature Corrected (°C): 2.9

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☒ N/A, water sample)Date and Initials of person examining contents: 6/1/22 1620

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC,

Did samples originate from a foreign source

NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☒ Noincluding Hawaii and Puerto Rico? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for I)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	11.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID, Matrix: SL <input checked="" type="checkbox"/> OIL		
All containers needing preservation have been checked?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
pH paper Lot #		
All containers needing preservation are found to be in compliance with method recommendation?		
(HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).		
Per Method, VOA pH is checked after analysis		
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
KI starch test strips Lot #		
Residual chlorine strips Lot #		
SM 4500 CN samples checked for sulfide?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Lead Acetate Strips Lot #		
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	17.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

ENV-FRM-MELV-0024 01