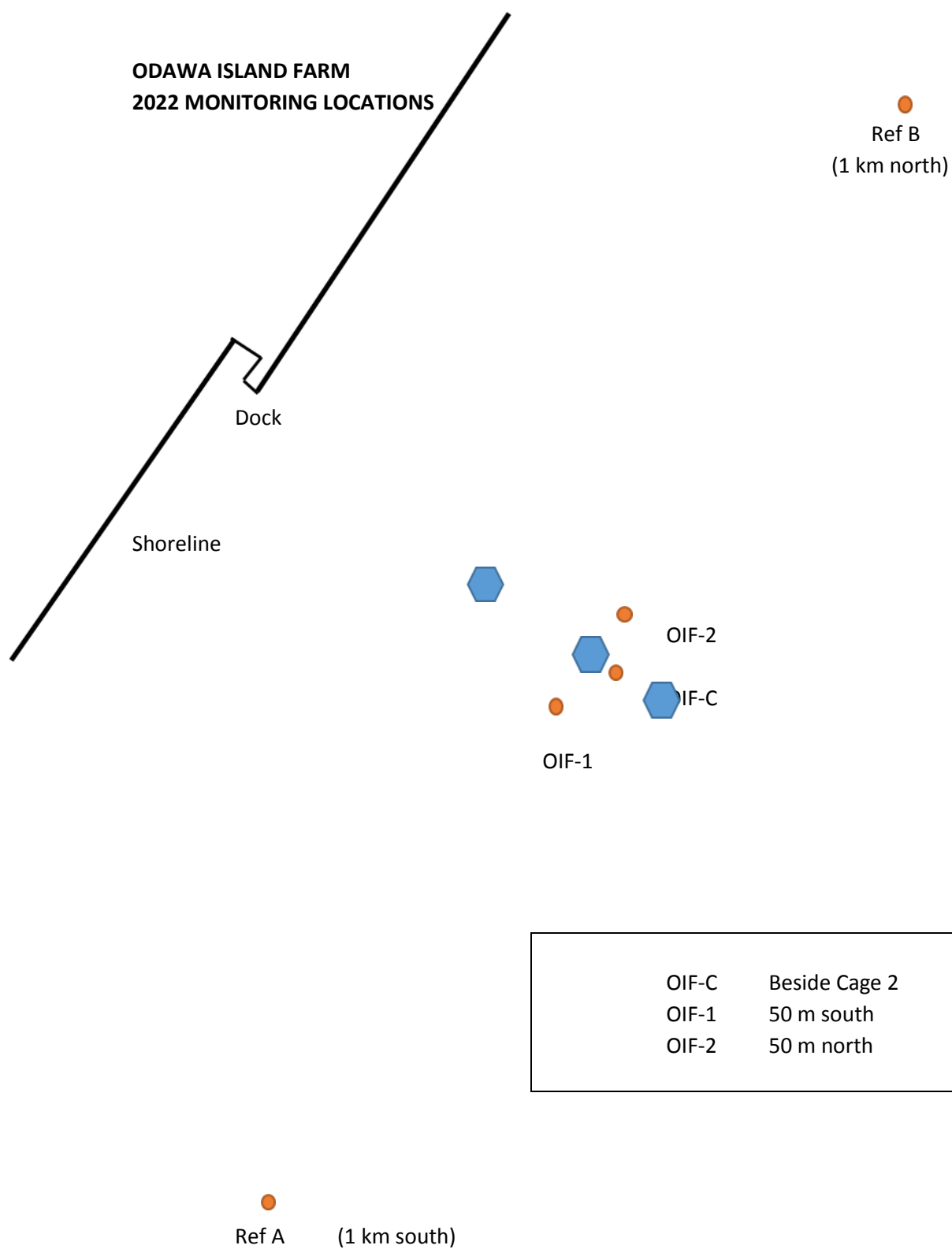


Figure 1: Location of Monitoring Stations, Odawa Fish Farm, 2022



CERTIFICATE OF ANALYSIS

Client:	R.J. Taylor	Work Order Number:	501501
Company:	Cedar Crest Trout Farms	PO #:	
Address:	133241 Allan Park Rd. Hanover, ON, N4N 3B8	Regulation:	PWQO
Phone:	(519) 375-6860	Project #:	Odawa Island Farm
Email:	rj@cedarcrestfish.ca	DWS #:	
		Sampled By:	Jacob R
Date Order Received:	6/6/2023	Analysis Started:	6/12/2023
Arrival Temperature:	10 °C	Analysis Completed:	6/14/2023

WORK ORDER SUMMARY

ANALYSES WERE PERFORMED ON THE FOLLOWING SAMPLES. THE RESULTS RELATE ONLY TO THE ITEMS TESTED.

Sample Description	Lab ID	Matrix	Type	Comments	Date Collected	Time Collected
OIF-C	1888968	Surface Water	None		6/4/2023	1:00 PM
OIF-1	1888969	Surface Water	None		6/4/2023	1:30 PM
OIF-2	1888970	Surface Water	None		6/4/2023	2:00 PM
Ref A	1888971	Surface Water	None		6/4/2023	1:45 PM
Ref B	1888972	Surface Water	None		6/4/2023	2:15 PM

METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

Method	Lab	Description	Reference
Chlorophyll A (A73)	Garson	Determination of Chlorophyll A in water	Modified from APHA-10200H
Low Level TP Water (A23.3)	Garson	Determination of Low Level Total Phosphorus in Aquaculture Water.	Modified from EPA 365.3, ESS 310.2, and APHA-4500-P
Phytoplankton Algae (RELM-14) (Sub)	Subcontracted	Phytoplankton Algae (RELM-14) from York-Durham Regional Environmental Laboratory.	Subcontracted

CERTIFICATE OF ANALYSIS

Cedar Crest Trout Farms

Work Order Number: 501501

REPORT COMMENTS

SAMPLE-SPECIFIC NOTES:

Sample 1888972: Specimen A: Urosolenia

Sample 1888971: For Cryptomonad: The specimens could not be characterized due to the small size of the algal specimens. The specimens observed may have been a mixture of Cryptomonads and/or green flagellated algae.

Specimen A: Cryptomonas

Sample 1888970: For Cryptomonad: The specimens could not be characterized due to the small size of the algal specimens. The specimens observed may have been a mixture of Cryptomonads and/or green flagellated algae.

Sample 1888969: For Cryptomonad: The specimens could not be characterized due to the small size of the algal specimens. The specimens observed may have been a mixture of Cryptomonads and/or green flagellated algae.

Sample 1888968: For Cryptomonad: The specimens could not be characterized due to the small size of the algal specimens. The specimens observed may have been a mixture of Cryptomonads and/or green flagellated algae.

Specimen A: Crucigenia

Specimen B: Urosolenia

This report has been approved by:



Vicky Bisson
Laboratory Director

**TESTMARK Laboratories Ltd.**

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

Cedar Crest Trout Farms

Work Order Number: 501501

WORK ORDER RESULTS

Sample Description	OIF - C		OIF - 1		OIF - 2		Ref A			
Sample Date	6/4/2023 1:00 PM		6/4/2023 1:30 PM		6/4/2023 2:00 PM		6/4/2023 1:45 PM			
Lab ID	1888968		1888969		1888970		1888971			
Chlorophyll A	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: PWQO
Chlorophyll A	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	ug/L	~
Phaeophytin A	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	ug/L	~

Sample Description	Ref B			
Sample Date	6/4/2023 2:15 PM			
Lab ID	1888972			
Chlorophyll A	Result	MDL	Units	Criteria: PWQO
Chlorophyll A	<0.5	0.5	ug/L	~
Phaeophytin A	<0.5	0.5	ug/L	~

Sample Description	OIF - C		OIF - 1		OIF - 2		Ref A			
Sample Date	6/4/2023 1:00 PM		6/4/2023 1:30 PM		6/4/2023 2:00 PM		6/4/2023 1:45 PM			
Lab ID	1888968		1888969		1888970		1888971			
General Chemistry	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: PWQO
Total Phosphorus (as P) (Low-Level)	0.002	0.001	0.003	0.001	<0.001	0.001	<0.001	0.001	mg/L	~

Sample Description	Ref B			
Sample Date	6/4/2023 2:15 PM			
Lab ID	1888972			
General Chemistry	Result	MDL	Units	Criteria: PWQO
Total Phosphorus (as P) (Low-Level)	0.002	0.001	mg/L	~



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CERTIFICATE OF ANALYSIS

Client:	R.J. Taylor	Work Order Number:	507092
Company:	Cedar Crest Trout Farms	PO #:	
Address:	133241 Allan Park Rd. Hanover, ON, N4N 3B8	Regulation:	PWQO
Phone:	(519) 375-6860	Project #:	Odawa Island Farm
Email:	rj@cedarcrestfish.ca	DWS #:	
		Sampled By:	Jacob R

Date Order Received:	7/25/2023	Analysis Started:	7/26/2023
Arrival Temperature:	25 °C	Analysis Completed:	7/28/2023

WORK ORDER SUMMARY

ANALYSES WERE PERFORMED ON THE FOLLOWING SAMPLES. THE RESULTS RELATE ONLY TO THE ITEMS TESTED.

Sample Description	Lab ID	Matrix	Type	Comments	Date Collected	Time Collected
OIF-C	1908493	Surface Water	None		7/25/2023	7:30 AM
OIF-1	1908494	Surface Water	None		7/25/2023	7:45 AM
OIF-2	1908495	Surface Water	None		7/25/2023	7:15 AM
Ref A	1908496	Surface Water	None		7/25/2023	7:00 AM
Ref B	1908497	Surface Water	None		7/25/2023	8:00 AM

METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

Method	Lab	Description	Reference
Chlorophyll A (A73)	Garson	Determination of Chlorophyll A in water	Modified from APHA-10200H
Low Level TP Water (A23.3)	Garson	Determination of Low Level Total Phosphorus in Aquaculture Water.	Modified from EPA 365.3, ESS 310.2, and APHA-4500-P

**TESTMARK Laboratories Ltd.**

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

Cedar Crest Trout Farms

Work Order Number: 507092

WORK ORDER RESULTS

Sample Description	OIF - C		OIF - 1		OIF - 2		Ref A			
Sample Date	7/25/2023 7:30 AM		7/25/2023 7:45 AM		7/25/2023 7:15 AM		7/25/2023 7:00 AM			
Lab ID	1908493		1908494		1908495		1908496			
Chlorophyll A	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: PWQO
Chlorophyll A	1.1	0.5	1.5	0.5	0.7	0.5	1.1	0.5	ug/L	~
Phaeophytin A	<0.5	0.5	<0.5	0.5	<0.5	0.5	<0.5	0.5	ug/L	~

Sample Description	Ref B			
Sample Date	7/25/2023 8:00 AM			
Lab ID	1908497			
Chlorophyll A	Result	MDL	Units	Criteria: PWQO
Chlorophyll A	1.3	0.5	ug/L	~
Phaeophytin A	<0.5	0.5	ug/L	~

Sample Description	OIF - C		OIF - 1		OIF - 2		Ref A			
Sample Date	7/25/2023 7:30 AM		7/25/2023 7:45 AM		7/25/2023 7:15 AM		7/25/2023 7:00 AM			
Lab ID	1908493		1908494		1908495		1908496			
General Chemistry	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: PWQO
Total Phosphorus (as P) (Low-Level)	<0.001	0.001	<0.001	0.001	<0.001	0.001	0.002	0.001	mg/L	~

Sample Description	Ref B			
Sample Date	7/25/2023 8:00 AM			
Lab ID	1908497			
General Chemistry	Result	MDL	Units	Criteria: PWQO
Total Phosphorus (as P) (Low-Level)	0.002	0.001	mg/L	~

CERTIFICATE OF ANALYSIS - REVISED
Supersedes report printed: 10/19/2023 16:29

Client:	R.J. Taylor	Work Order Number:	514979
Company:	Odawa Island Farms Ltd.	PO #:	PWQO
Address:	1079A Shesheganing Rd. Shesheganing, ON, P0P 1X0	Regulation:	Odawa Island Farm
Phone:	(519) 375-6860	Project #:	
Email:	rij@cedarcreefish.ca	DWS #:	
		Sampled By:	Jacob R
Date Order Received:	10/6/2023	Analysis Started:	10/12/2023
Arrival Temperature:	12 C	Analysis Completed:	10/25/2023

WORK ORDER SUMMARY

ANALYSES WERE PERFORMED ON THE FOLLOWING SAMPLES. THE RESULTS RELATE ONLY TO THE ITEMS TESTED.

Sample Description	Lab ID	Matrix	Type	Comments	Date Collected	Time Collected
OIF-C	1936730	Surface Water	None		10/5/2023	
OIF-1	1936731	Surface Water	None		10/5/2023	
OIF-2	1936732	Surface Water	None		10/5/2023	
Ref A	1936733	Surface Water	None		10/5/2023	
Ref B	1936734	Surface Water	None		10/5/2023	

METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

Method	Lab	Description	Reference
Chlorophyll A (A73)	Garson	Determination of Chlorophyll A in water	Modified from APHA-10200H
Low Level TP Water (A23.3)	Garson	Determination of Low Level Total Phosphorus in Aquaculture Water.	Modified from EPA 365.3, ESS 310.2, and APHA-4500-P
Phytoplankton Algae (RELM-14) (Sub)	Subcontracted	Phytoplankton Algae (RELM-14) from York-Durham Regional Environmental Laboratory.	Subcontracted

REPORT COMMENTS

See appendix attached for detailed specimen breakdown of the Phytoplankton Algae results.

Report Revised to include rerun data for TP Low Level 10/26/23 TP Cl# 21333

**TESTMARK Laboratories Ltd.**

Committed to Quality and Service

CERTIFICATE OF ANALYSIS - REVISED

Supersedes report printed: 10/19/2023 16:29

Odawa Island Farms Ltd.

Work Order Number: 514979

This report has been approved by:

Brad Halvorson, B.Sc.

Laboratory Director

WORK ORDER RESULTS

Sample Description	OIF - C		OIF - 1		OIF - 2		Ref A			
Sample Date	10/5/2023 12:00 AM		10/5/2023 12:00 AM		10/5/2023 12:00 AM		10/5/2023 12:00 AM			
Lab ID	1936730		1936731		1936732		1936733			
Chlorophyll A	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: PWQO
Chlorophyll A	2.0	0.5	1.6	0.5	0.7	0.5	3.8	0.5	ug/L	~

Sample Description	Ref B			
Sample Date	10/5/2023 12:00 AM			
Lab ID	1936734			
Chlorophyll A	Result	MDL	Units	Criteria: PWQO
Chlorophyll A	2.4	0.5	ug/L	~

Sample Description	OIF - C		OIF - 1		OIF - 2		Ref A			
Sample Date	10/5/2023 12:00 AM		10/5/2023 12:00 AM		10/5/2023 12:00 AM		10/5/2023 12:00 AM			
Lab ID	1936730		1936731		1936732		1936733			
General Chemistry	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: PWQO
Total Phosphorus (as P) (Low-Level)	<0.001	0.001	0.005	0.001	0.003	0.001	0.002	0.001	mg/L	~

**TESTMARK Laboratories Ltd.**

Committed to Quality and Service

CERTIFICATE OF ANALYSIS - REVISED

Supersedes report printed: 10/19/2023 16:29

Odawa Island Farms Ltd.

Work Order Number: 514979

Sample Description	Ref B			
Sample Date	10/5/2023 12:00 AM			
Lab ID	1936734			
General Chemistry	Result	MDL	Units	Criteria: PWQO
Total Phosphorus (as P) (Low-Level)	<0.001	0.001	mg/L	~

Sample Description	OIF - C		OIF - 1		OIF - 2		Ref A			
Sample Date	10/5/2023 12:00 AM		10/5/2023 12:00 AM		10/5/2023 12:00 AM		10/5/2023 12:00 AM			
Lab ID	1936730		1936731		1936732		1936733			
Phytoplankton Algae (RELM-14) (subcontracted)	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: PWQO
Total ASU	2600.00	0.06	1400.00	0.06	880.00	0.06	2000.00	0.06	ASU/mL	~

Sample Description	Ref B			
Sample Date	10/5/2023 12:00 AM			
Lab ID	1936734			
Phytoplankton Algae (RELM-14) (subcontracted)	Result	MDL	Units	Criteria: PWQO
Total ASU	1500.00	0.06	ASU/mL	~



TESTMARK Laboratories Ltd.

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

Client:	R.J. Taylor	Work Order Number:	520411
Company:	Cedar Crest Trout Farms	PO #:	PWQO
Address:	133241 Allan Park Rd. Hanover, ON, N4N 3B8	Regulation:	Odawa Island Farm
Phone:	(519) 375-6860	Project #:	
Email:	-rj@cedarcrestfish.ca	DWS #:	
		Sampled By:	Jacob R

Date Order Received:	11/29/2023	Analysis Started:	12/1/2023
Arrival Temperature:	9 C	Analysis Completed:	12/6/2023

WORK ORDER SUMMARY

ANALYSES WERE PERFORMED ON THE FOLLOWING SAMPLES. THE RESULTS RELATE ONLY TO THE ITEMS TESTED.

Sample Description	Lab ID	Matrix	Type	Comments	Date Collected	Time Collected
OIF-C	1956694	Surface Water	None		11/28/2023	8:00 AM
OIF-1	1956695	Surface Water	None		11/28/2023	8:00 AM
OIF-2	1956696	Surface Water	None		11/28/2023	8:00 AM
Ref A	1956697	Surface Water	None		11/28/2023	8:00 AM
Ref B	1956698	Surface Water	None		11/28/2023	8:00 AM

METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

Method	Lab	Description	Reference
Chlorophyll A (A73)	Garson	Determination of Chlorophyll A in water	Modified from APHA-10200H
Low Level TP Water (A23.3)	Garson	Determination of Low Level Total Phosphorus in Aquaculture Water.	Modified from EPA 365.3, ESS 310.2, and APHA-4500-P
Phytoplankton Algae (RELM-14) (Sub)	Subcontracted	Phytoplankton Algae (RELM-14) from York-Durham Regional Environmental Laboratory.	Subcontracted

CERTIFICATE OF ANALYSIS

Cedar Crest Trout Farms

Work Order Number: 520411

REPORT COMMENTS

SAMPLE-SPECIFIC NOTES:

Sample 1956698: Subcontract comment for Phytoplankton: Cryptomonad: The specimens could not be characterized due to the small size of the algal specimens. The specimens observed may have been a mixture of Cryptomonads and/or green flagellated algae.

Specimen A: Urosolenia

Specimen B: Cryptomonas

Sample 1956697: Subcontract comment for Phytoplankton: Cryptomonad: The specimens could not be characterized due to the small size of the algal specimens. The specimens observed may have been a mixture of Cryptomonads and/or green flagellated algae.

Specimen A: Urosolenia

Sample 1956696: Subcontract comment for Phytoplankton: Cryptomonad: The specimens could not be characterized due to the small size of the algal specimens. The specimens observed may have been a mixture of Cryptomonads and/or green flagellated algae.

Also detected was Crucigenia at 11 cells/mL

Specimen A: Urosolenia

Sample 1956695: Subcontract comment for Phytoplankton: Cryptomonad: The specimens could not be characterized due to the small size of the algal specimens. The specimens observed may have been a mixture of Cryptomonads and/or green flagellated algae.

Also detected was Crucigenia at 11 cells/mL

Specimen A: Urosolenia

Sample 1956694: Subcontract comment for Phytoplankton: Cryptomonad: The specimens could not be characterized due to the small size of the algal specimens. The specimens observed may have been a mixture of Cryptomonads and/or green flagellated algae.

Specimen A: Urosolenia

Specimen B: Cryptomonas

This report has been approved by:



Brad Halvorson, B.Sc.
Laboratory Director

**TESTMARK Laboratories Ltd.**

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

Cedar Crest Trout Farms

Work Order Number: 520411

WORK ORDER RESULTS

Sample Description	OIF - C		OIF - 1		OIF - 2		Ref A			
Sample Date	11/28/2023 8:00 AM		11/28/2023 8:00 AM		11/28/2023 8:00 AM		11/28/2023 8:00 AM			
Lab ID	1956694		1956695		1956696		1956697			
Chlorophyll A	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: PWQO
Chlorophyll A	0.8	0.5	1.0	0.5	1.1	0.5	2.6	0.5	ug/L	~

Sample Description	Ref B			
Sample Date	11/28/2023 8:00 AM			
Lab ID	1956698			
Chlorophyll A	Result	MDL	Units	Criteria: PWQO
Chlorophyll A	0.9	0.5	ug/L	~

Sample Description	OIF - C		OIF - 1		OIF - 2		Ref A			
Sample Date	11/28/2023 8:00 AM		11/28/2023 8:00 AM		11/28/2023 8:00 AM		11/28/2023 8:00 AM			
Lab ID	1956694		1956695		1956696		1956697			
General Chemistry	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: PWQO
Total Phosphorus (as P) (Low-Level)	<0.001	0.001	<0.001	0.001	0.031	0.001	<0.001	0.001	mg/L	~

Sample Description	Ref B			
Sample Date	11/28/2023 8:00 AM			
Lab ID	1956698			
General Chemistry	Result	MDL	Units	Criteria: PWQO
Total Phosphorus (as P) (Low-Level)	<0.001	0.001	mg/L	~